Table of Contents

SAFETY AND GENERAL INFORMATION ***1***

Important Information on Safe and Efficient Operation ***1***

Read this Information before using your Personal Communicator *1*

Portable Personal Communicator Operation and EME Exposure *3*

Electromagnetic Interference / Compatibility ***4***

Facilities *4*

Aircraft *4*

Medical Devices *4*

Safety and General ***5***

Use in Vehicles *5*

Operational Warnings *5*

Operational Cautions *6*

European Union Directives Conformance Statement ***7***

Total Customer Satisfaction ***8***

Warranty Information ***11***

How to get Warranty Service *12*

YOUR PHONE ***15***

Appearance ***15***

Front View *15*

Side View *16*

Bottom View *16*

Back View *16*

The Phone display ***17***

Keys *18*

Using this Manual ***20***

GETTING STARTED ***21***

Your SIM card ***21***

Inserting your SIM card *21*

Removing your SIM card *21*

The battery ***22***

Fitting the battery *22*

Removing the battery *22*

Charging the battery *23*

USING YOUR PHONE ***25***

Switching on the phone ***25***
Making a phone call ***25***
Ending a call ***26***
Answering a call ***26***
Switching off the phone ***26***
One-touch dialling ***26***
Making a voice dial call ***26***
Listening to a voicemail ***27***
Making an international call ***27***
Making an emergency call ***27***
Dialling an extension number ***27***
Last missed, dialled, and received calls ***27***
Making an abbreviated call ***28***
Phone Book directory shortcut ***28***
Messages menu shortcut ***29***
Adding Phone Book entries ***29***
Incoming call waiting ***29***
Holding a call ***29***
Call Options ***30***
SIM Menu *30*
Mute *30*
Messages *30*
Conference *30*
Phone Book *31*
Call List *31*
Adjusting the earpiece volume ***31***
Key lock ***31***

INPUT MODE MENU ***33***
Selecting an input mode ***34***
Smart Input (iTAP) *34*
ABC Input *36*
123 Input *37*
Insert Symbol *37*
Select Icon *38*
Quick Message *38*
Select Dictionary *39*

QUICK ACCESS ***41***
Quick Access menu ***41***
Using the Quick Access menu ***42***

THE MOBILE INTERNET ***43***
Logging on to the Internet ***43***
Browser key mapping ***44***
Navigating the Internet ***44***
Logging off the Internet ***45***
Using browser menu ***45***

THE MENUS ***49***
Using the menus ***49***
Normal access *49*
Shortcut access *49*
Phone Book ***50***
Last number *50*
Find Record *51*
Add Entry to SIM *52*
Add Entry to Phone *52*
Delete *52*
Caller Group *53*
Voice Dial *54*
Service Number *54*
Own Number *55*
Status *55*
Copy Record *55*
Messages ***57***
Inbox *57*
New Message *59*
SMS Chat *59*
Icon Message *60*
Quick Messages *60*
Outbox *61*
Voice Mail *61*
Broadcast *62*
Settings *62*
Delete All *63*

Call Services ***63***
Call Records *63*
Call Divert *64*
Call Barring *65*
Call Waiting *66*
Show Number *66*
Phone Setting ***67***
ScreenSaver *67*
Set Time & Date *68*
Power On/Off *68*
Browser Setup *69*
Key Lock *70*
Language *70*
Input Mode *71*
Time Alert *71*
Auto Redial *71*
Back Light *71*
Voice Dial *71*
Restore *71*
Network ***71***
Automatic *71*
Manual *71*
Band *72*
Security ***72***
Code Status *72*
Change Code *72*
Fixed Dial *73*
SIM Lock *73*
Audio Setting ***74***
Ring Type *74*
Vibracall *74*
Profiles *74*
Edit Melody *76*

Tools ***78***
Personalisation Services for your Motorola Talkabout 191 ..... *78*
ScreenSaver *78*
SIM Menu *79*
Access Internet *79*
Games *80*
Calendar *82*
Set Alarm *84*
Calculator *84*
Stopwatch *85*
Hour Reminder *85*
Auto Time Zone *85*
Quick Access *86*

MENU STRUCTURE MAP ***89***

CARE AND MAINTENANCE ***91***

WHAT TO DO IF... ..... ***93***

Safety and General Information

Important Information on Safe and Efficient Operation

Read this Information before using your Personal Communicator

The information provided in this document supersedes the general safety information contained in user guides published prior to this date. For information regarding radio use in a hazardous atmosphere please refer to the Factory Mutual (FM) Approval Manual Supplement or Instruction Card, which is included with radio models that offer this capability.

RF Operational Characteristics

Your Personal Communicator contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy.

The Personal Communicator operates in the frequency range of 900 MHz to 1990 MHz and employs digital modulation techniques.

When you communicate with your Personal Communicator, the system handling your call controls the power level at which your personal communicator transmits. The output power level typically may vary over a range from 0.063 watts to 1.58 watts.

Exposure to Radio Frequency Energy

Your Motorola Personal Communicator is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-ionising Radiation Protection (ICNIRP) 1998
- National Radiological Protection Board of the United Kingdom 1995
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radio Communications (Electromagnetic Radiation - Human Exposure) Standard 1999 (applicable to wireless phones only)

To assure optimal performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

Portable Personal Communicator Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the Personal Communicator and may violate FCC and/or other applicable regulations.

DO NOT hold the antenna when the Personal Communicator is **IN USE**. Holding the antenna affects call quality and may cause the Personal Communicator to operate at a higher power level than needed.

Phone Operation

The Personal Communicator is designed to be used with a headset for talking and listening. The Personal Communicator can also be placed inside the holster, then the holster can be clipped onto your belt, pocket, handbag, or other apparel and used with the headset.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear the Personal Communicator on your body when transmitting, always place the Personal Communicator in a Motorola supplied or approved clip, holder, holster, case, or body harness. Use of non-Motorola-approved accessories may exceed FCC RF exposure guidelines. If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5 cm) from your body when transmitting.

Approved Accessories

For a list of approved Motorola accessories, look in the accessory section of this manual.

Electromagnetic Interference / Compatibility

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your Personal Communicator in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your Personal Communicator when on board an aircraft. Any use of a Personal Communicator must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 centimetres) be maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.

Persons with pacemakers should:

- ALWAYS keep the Personal Communicator more than six inches (15 centimetres) from their pacemaker when the Personal Communicator is turned ON.
- Not carry the Personal Communicator in the breast pocket.
- Use the ear opposite the pacemaker to minimise the potential for interference.
- Turn the Personal Communicator OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids.
In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

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

Safety and General

Use in Vehicles

Check the laws and regulations on the use of phones in your vehicle.
You are advised to always obey them.

When using your Personal Communicator in a vehicle, please:

- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call.

Operational Warnings

For Vehicles with an Air Bag

Do not place the Personal Communicator in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If the Personal Communicator is placed in the air bag deployment area and the air bag inflates, the Personal Communicator may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your Personal Communicator prior to entering any area with a potentially explosive atmosphere, unless it is especially qualified for use in such areas as "Intrinsically Safe" (for example, Factory Mutual, CSA, or UL Approved). Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

The areas with potentially explosive atmospheres referred to above include fuelling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your Personal Communicator when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use the Personal Communicator if it has a damaged antenna.
If a damaged antenna comes into contact with your skin, a minor burn can result.

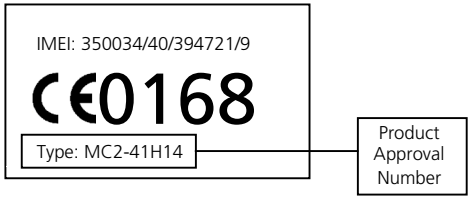
Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewellery, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

European Union Directives Conformance Statement

Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (the R&TTE Directive) at www.motorola.com/rtte - to find your DoC, enter the Product Approval Number from your product's label in the "Search" bar on the Web site.

Total Customer Satisfaction

At Motorola, Total Customer Satisfaction is a top priority. If you have a question, a suggestion or a concern about your Motorola Cellular Phone, Motorola wants to hear from you.

Please contact the Motorola Cellular Response Centre by fax on: +44 (0) 131 458 6732, or use one of the local phone numbers in the following countries:

Algeria	21321 901393
Austria	0800 297246
Bahrain	311689
Belgium	0800 72 370
Canada	1 800 461 4575
Czech Republic	00420 2 21 85 21 01
Denmark	4348 8005
Egypt	+202 3407117 +202 305 0080
Eire	01 402 6887
Finland	0800 117 036
France	0 803 303 302
Germany	0180 35050
Greece	00800 441 28150
Hong Kong	852 25063888
Hungary	0036 40 200 800
Italy	02 696 333 16
Jordan	06 5828100 Ext 4162 06 5699338
Kuwait	4846140 Ext 126 170

Lebanon	01 744000
Luxembourg	0800 21 99
Morocco	022 98 16 66
Netherlands	0800 022 27 43
North Cyprus	225 29 53
Norway	22 55 10 04
Oman	701989
Pakistan	111 000 1999
Palestine	1800 059 800 02 2968011
People's Republic of China	86 10 68466060
Poland	0801 620 620
Portugal	01 318 0051
Qatar	+974 4418999 Ext 25
Saudi Arabia	+966 1 2341845 Ext 102
Singapore	65 4855 333
South Africa	0800 11 48 49
Spain	902 100 077
Sweden	08 445 1210
Switzerland	0800 553 109
Syria	11 231 5974
Taiwan	886 2 87731746
Tunesia	01 962 502 01 710 333
Turkey	0212 425 9090 0212 520 6262

UK	0870 90 10 555
United Arab Emirates	+971 4 3321166 +971 4 3938877
United States of America	1 800 331 6456
Yemen	01 279771
For e- mail queries contact:	mcrc@ei.css.mot.com
For Internet queries contact:	http://www.motorola.com

Warranty Information

Motorola guarantees to you, the original purchaser, the Personal Communicator and accessories which you have purchased from an authorised Motorola dealer (the "Products"), to be in conformance with the applicable Motorola specifications current at the time of manufacture for a term of [1] year from date of purchase of the Product(s) (Warranty Term).

You must inform Motorola of the lack of conformity to the applicable specifications of any of the Products within a period of two (2) months from the date on which you detect a defect in material, workmanship or lack of conformity and in any event within a term not to exceed the Warranty Term, by submitting the Product for service to Motorola. Motorola shall not be bound by Product related statements not directly made by Motorola.

A list of the Motorola Call Centre numbers is enclosed with this Product.

During the Warranty term, Motorola will, at its discretion and without extra charge, as your exclusive remedy, repair or replace your Product which does not comply with this warranty; or failing this, to reimburse the price of the Product but reduced to take into account the use you have had of the Product since it was delivered. This warranty will expire at the end of the Warranty Term.

This is the complete and exclusive warranty for a Motorola Personal Communicator and accessories and in lieu of all other warranties, terms and conditions, whether express or implied.

Where you purchase the product other than as a consumer, Motorola disclaims all other warranties, terms and conditions express or implied, such as fitness for purpose and satisfactory quality.

In no event shall Motorola be liable for damages nor loss of data in excess of the purchase price nor for any incidental special or consequential damages* arising out of the use or inability to use the Product, to the full extent such may be disclaimed by law.

*This Warranty does not affect any statutory rights that you may have if you are a consumer, such as a warranty of satisfactory quality and fit for the purpose for which products of the same type are normally used under normal use and service, nor any rights against the seller of the Products arising from your purchase and sales contract.

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*) including without limitation loss of use, loss of time, loss of data, inconvenience, commercial loss, lost profits or savings.

How to get Warranty Service

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The Personal Communicator should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

In order to claim the warranty service, you must return the Personal Communicator and/or accessories in question to Motorola. Please avoid leaving any supplementary items like SIM cards. The Product should also be accompanied by a label with your name, address, and telephone number; name of provider and a description of the problem. In the case of vehicular installation, the vehicle in which the Personal Communicator is installed should be driven to the Authorised Repair Centre, as analysis of any problem may require inspection of the entire vehicular installation.

Conditions

This warranty will not apply if the type or serial numbers on the Product have been altered, deleted, duplicated, removed, or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation cannot be presented or if the information is incomplete, illegible or incompatible with the factory records.

Repair, at Motorola's option, may include reflashing of software, the replacement of parts or boards with functionally equivalent, reconditioned or new parts or boards. Replaced parts, accessories, batteries, or boards are guaranteed for the balance of the original warranty time period. The Warranty Term will not be extended. All original accessories, batteries, parts, and Personal Communicator equipment that have been replaced shall become the property of Motorola. Motorola does not warrant the installation, maintenance or service of the products, accessories, batteries or parts.

Motorola will not be responsible in any way for problems or damage caused by any ancillary equipment not furnished by Motorola which is attached to or used in connection with the Products, or for operation of Motorola equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty.

When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola, Motorola does not warrant the operation of the Product/peripheral combination and Motorola will not honour any warranty claim where the Product is used in such a combination and it is determined by Motorola that there is no fault with the Product. Motorola specifically disclaims any responsibility for any damage, whether or not to Motorola equipment, caused in any way by the use of the Personal Communicator, accessories, software applications and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) when such accessories, software applications and peripherals are not manufactured and supplied by Motorola.

What is not Covered by the Warranty?

This warranty is not valid if the defects are due to damage, misuse, tampering, neglect or lack of care and in case of alterations or repair carried out by unauthorised persons.

1 Defects or damage resulting from use of the Product in other than its normal and customary manner.

2 Defects or damage from misuse, access to incompatible sources, accident or neglect.

3 Defects or damage from improper testing, operation, maintenance, installation, adjustment, unauthorised software applications or any alteration or modification of any kind.

4 Breakage or damage to aerials unless caused directly by defects in material or workmanship.

5 Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

6 Defects or damage due to range, coverage, availability, grade of service, or operation of the system by the provider.

7 Defects or damage due to moisture, liquid or spills of food.

8 Control unit coil cords in the Product that are stretched or have the modular tab broken.

9 All plastic surfaces and all other externally exposed parts that are scratched or damaged due to customer normal use.

10 Leather cases (which are covered under separate manufacturer's warranties).

11 Products rented on a temporary basis.

12 Periodic maintenance and repair or replacement of parts due to normal wear and tear;

☞*The talk-time, stand-by time and total life cycle of a Motorola rechargeable battery for your Personal Communicator will depend on usage conditions and network configurations. As a consumable product, the specifications indicate that you should be able to obtain optimum performance for your Motorola Personal Communicator within the first six months from date of purchase and up to (200) charges.*

The warranty for Motorola rechargeable batteries becomes void if

(i) the batteries are charged other than by Motorola approved battery chargers specified for the charging of the battery;

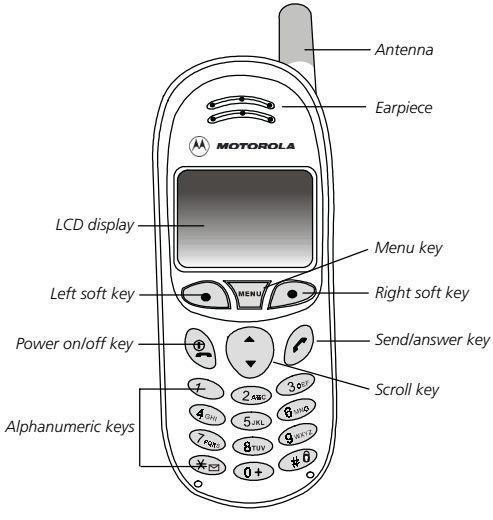
(ii) any of the seals on the battery are broken or show evidence of tampering;

(iii) the battery is used in equipment or services other than the equipment for which it is specified.

Your Phone

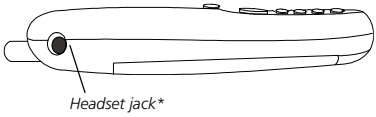
Appearance

Front View

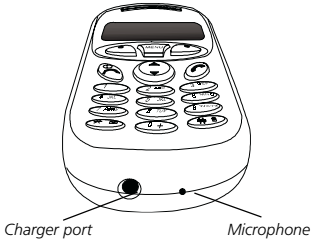


For a detailed description of the function of each key please refer to **Function keys**.

Side View

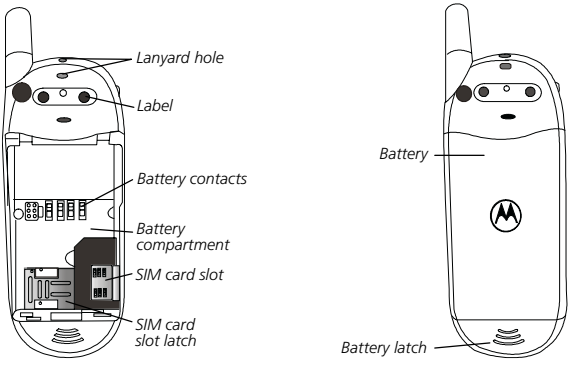


Bottom View

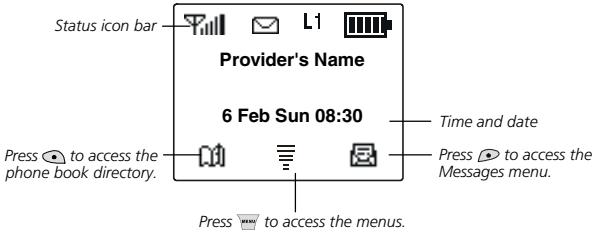


** For connection to the optional handsfree headset.*

Back View



The Phone display



Phone display icons

The table below describes the meaning of icons often shown on the phone display:

Icon	Function	Descriptions
	Signal Strength	*Signal strength of your designated network. The more bars displayed, the stronger the signal.*
	Short message	*This icon will show on the screen when your phone receives a short message or when you have unread messages.*
	Voice mail waiting	*This icon indicates a new voice message.*
	Call divert	*All incoming calls are diverted to a designated number.*
L1	*Line in use*	*This icon will appear when you activate the call divert function.*
	Vibration only	*This icon will appear when your phone is set to vibrate only and you receive an incoming call.*
	Battery status	*This icon indicates the level of charge of the battery. Four bars: Full. No bars: recharge immediately. The icon scrolls during charging until the battery is full.*
	Key lock	*This icon indicates that the key lock mode is enabled.*
	Roaming	*When your phone is not used on your home network, this icon will appear.*

Keys

The keys on your phone can be divided into two categories: Function keys and alphanumeric keys.

Function keys

In this user guide, "long press" means "pressing and holding a key for about 2 seconds", while "press" means "pressing and releasing a key immediately." This listing does not include all operations of each key. Please refer to related sections of this user guide for other key commands.

Keys	*Commands and functions*
	Power on/off key – *Long press to switch your phone on/off.* – *Press to end or cancel a call.* – *Press to return to the previous menu.* – *Exit browser and back to standby.*
	Send/Answer key – *Press to send or answer a call.* – *In standby mode, long press to redial the last called number.* – *In standby, press to display last dialled / missed / received numbers.* – *Press to select or activate an option.*
	Menu key – *Accessing the main menu from standby.* – *During a call, press to access the Call Options menu.* – *During input, press to access the input mode menu.* – *Browser's 2nd soft key.*
	Right soft key *Executes the command shown at the bottom right of the display:* – *In menus, press to select or activate an option (as **SEL/OK/ OPTION** shows).* – *In standby, press to access the Messages menu (as ✉ shows).* – *Press to confirm digits/text during input (as **OK** shows).* – *Press to link to the next web page/select a browser menu option during an Internet session.* – *Browser's 1st soft key.*

Keys	Commands and functions
	Left soft key *Executes the command shown at the bottom left of the display:* – *In menus, press to abort a selection/operation and return to the previous menu or screen (as **QUIT/EXIT** shows).* – *In standby mode, press to access the Phone Book directory (as [Ω] shows).* – *During input, press to clear one digit/character; long press to clear all digits/characters (as **DEL** shows).* – *During an Internet session, press to return to the previous page; long press to return to homepage.*
	Scroll key – *Scrolls the menus and options.* – *Press to adjust volume during a call.* – *In standby mode, press to access Quick Access menu.* – *In standby mode, long press to access Phone Book directory/initiate a voice dial call (if voice dial feature is activated).* – *During input, press once to move cursor to the next/last insertion point; long press to move the cursor continuously.*
	Voicemail key – *In standby, long press to dial the voice mail box number.* – *During an Internet session, long press to access the browser menu.*
	Lock key – *In standby, long press to lock the keypad.*
	Number key – *In standby, long press to dial any of the first 9 phone numbers saved in the Phone Book.* – *In menus, press to access a corresponding option directly.*

Alphanumeric keys

There is a total of twelve alphanumeric keys on the keypad. You can use these keys to type numbers and letters when you add names to the phone book, write text messages (SMS) or enter Internet addresses.

The table below is a list of the alphanumeric keys and their corresponding characters, numbers and symbols.

Key	*Lower case*
1	, . : 1 % ! ? ; " ' < > ( ) @ &
2 ABC	A B C 2 Å Ä å ä à ç æ ß
3 DEF	D E F 3 è é É £ Æ $
4 GHI	G H I 4 ì ¡ ¿ ¤
5 JKL	J K L 5 Δ _ Φ Γ Λ Ω
6 MNO	M N O 6 Ñ ñ ò Ö ö Ø ø
7 PQRS	P Q R S 7 ¥ §
8 TUV	T U V 8 ü Ü ù
9 WXYZ	W X Y Z 9 Π Ψ Σ Θ Ξ
0+	0 (Space)
*	+ - * / =
#	# P

Using this Manual

Indicates optional features that depend on your network. Contact your network service provider for information about the features available on your network and SIM card.

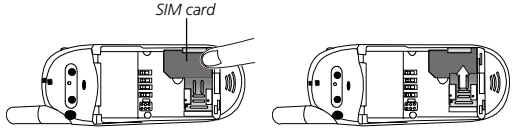
Your SIM card

To successfully use your phone, you must insert a SIM card (Subscriber Identification Module) supplied by your service provider. The SIM card contains your subscription number and your phone number as well as a memory in which you can store phone numbers, messages, etc.

Inserting your SIM card

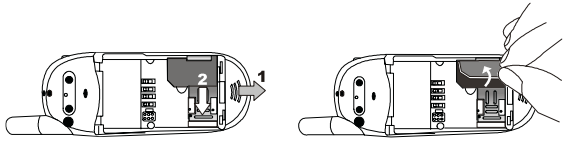
Scratches can easily damage the metal contacts of the SIM card. Pay special attention to the SIM card when you handle it.

1. Locate the SIM card slot on back of your phone. Place the entire SIM card into the slot, with the metal contacts of the SIM card facing down and its cut corner on the lower left/top right.
2. Slide the SIM card latch over onto the card.



Removing your SIM card

Push the battery latch back, slide the SIM card latch backwards, then pick up the card from the slot.

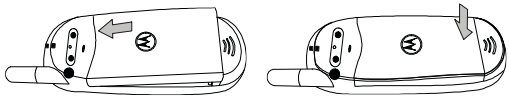


The battery

Do not remove the battery when your phone is on - you may lose all your personal settings stored either in your SIM card or phone memory.

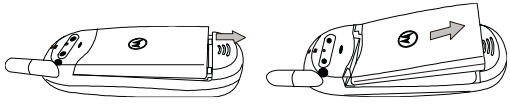
Fitting the battery

Place the battery onto the back of the handset with the battery's contacts facing down in alignment with the contacts on the battery compartment, push the battery forward against the top of the compartment and press it down till it clicks into the compartment.



Removing the battery

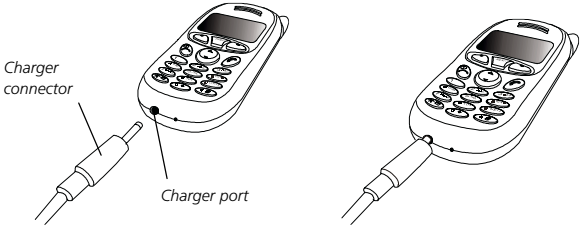
Push the battery latch back and the battery will rise automatically. Lift the battery up from the bottom end.



Charging the battery

The travel charger can power the phone and charge a fitted battery.

1 Insert the travel charger connector into the charger port at the bottom left of the phone.



2 Pull out the charger connector when charging is done.

☞*It takes 24 hours for the travel charger to fully charge a new battery. Recharging takes approximately 160 minutes each time.*

☞*During charging, on the LCD will blink until the battery is fully charged. When the battery is running out of power, you will hear a warning tone and* ***Low Battery*** *will appear on the LCD. When the battery is dead, will appear to remind you to recharge immediately. Then your phone will power off automatically.*

❗ *Use only approved batteries, charger and accessories to ensure proper function of your phone and battery life. Any malfunction or damage caused by the use of any third-party accessories will result in warranty becoming void.*

❗ *For safety concerns, when the temperature of the phone goes over 40°C (104°F) or below 0°C (32°F), charging will come to a halt. When the phone temperature returns to a normal range, charging will resume.*

❗ *Ensure that the local mains voltage at your location matches that of your travel charger.*

Using Your Phone

Switching on the phone

Long press ⏻ to switch your phone on.

Making a phone call

1 Enter your PIN. If you type a wrong number while entering your PIN, delete the wrong number by pressing the left ◯ (**DEL**). When done, press ◯ (**OK**) or ⓞ to confirm.

☞ ***What is PIN?***
PIN (Personal Identification Number) is a password provided by your service provider. With your PIN, you can use your SIM card and access the services offered by your provider.

❗ *If you enter a wrong PIN three times in a row, your SIM card will be blocked. To unblock the SIM card, you need to enter the PUK code of the card. Please call your service provider for your PUK code.*

2 Once your PIN is accepted, the phone will start searching for your designated network automatically. This may take a few seconds. After connecting to the network successfully the phone will beep twice, the LCD display will show the network you connect to and go into standby mode.

3 Now you can dial a number using the keys on the key pad. Press ◯ (**DEL**) to delete wrong digits. Press ⓞ to send your call.

☞ *When the network service is not available, no signal level will be displayed on the screen.*

☞ *When connected to a network other than your designated one, the signal strength will still be displayed on the screen. However, you can only make an emergency call.*

☞ *During a call, you can use the call options (see **Call Options menu**.)*

Ending a call

When you finish a phone call, press to end the call and return to standby mode. Press or (**EXIT**) if you want to drop a call.

Answering a call

When your phone rings or vibrates, the screen will display the name or the phone number of the caller The name displayed depends on the data in the Phone Book. Press to answer a call. You can also answer incoming calls by pressing any key.

To change the answering mode, you must go to **Profiles** under the **Audio Setting** menu.

Switching off the phone

Long press to switch your phone off.

One-touch dialling

There are two ways of doing one-touch dialling while in standby mode:

- Long press . The last number you dialled will be dialled again automatically.
- You can dial any of the first 9 phone numbers saved in the Phone Book by long pressing its phone book location number. If the number is saved in the Phone Book at location 5, for example, long press to make the call.

Making a voice dial call

☞ *You must add a voice tag to a phone book record and activate the Voice Dial feature before you can make a voice dial call. For how to add a voice tag, see* ***Phone Book****:* ***The Menus****. You can activate the Voice Dial feature in* ***Voice Dial*** *under the* ***Phone Setting*** *menu.*

1 In standby, long press .

2 After the tone use the microphone to say the voice tag of a desired phone number.

3 When your phone recognises this voice tag, the number's phone book record and **Call?** will appear on the screen asking for your confirmation. Press (**OK**) or to make the call. You can also wait a few seconds and your phone will dial the number automatically.

Listening to a voicemail

In standby mode, long press * to call your provider's voice mail centre and listen to the voice mail left by a caller. You can also go to Voice Mail under the **Messages** menu to make a voicemail call.

Making an international call

1. Enter the outgoing international code, or long press 0+ until **+** is displayed.
2. Enter the recipient's national code, area code and phone number. Send out your call by pressing ⌐.

Making an emergency call

Enter 112 (the international emergency number) and press ⌐. This emergency call can be made without a SIM card inserted, so long as you are within the coverage of the type of network used by your phone.

Dialling an extension number

After you key in the telephone number, long press # and **P** will display on the screen. Enter the extension number and press ⌐ to make the call.

Last missed, dialled, and received calls

There are two scenarios in which you can review the most recently missed, answered and dialled phone numbers as well as the time and date information associated with the calls:

- If for any reason an incoming call cannot be answered, a Missed Call message with date and time, will appear to alert you to calls missed. Press ⌐ (**SEL**) or ⌐ twice and the most recently missed call is displayed first. Then use ↕ to display the missed call you want.
- In standby mode, you can press ⌐ to access a list of missed, dialled and received calls. The most recent is displayed first, then you can press ↕ to scroll to the phone number you want.

When the phone number of a missed/dialled/received call appears on the screen, you can do the following:

- Press (**SEL**) or to redial the phone number.
- To store the phone number in your phone book, long press . Follow the prompts to enter the name and confirm the phone number. Then specify a caller group and location number and press (**OK**) or to save. Finally press (**OK**) or again to add a voice tag to the phone number.

☞*The phone number saved this way is stored in you SIM card memory. To save a phone number in the phone memory, go to* ***Add Entry to Phone*** *in the* ***Phone Book*** *menu.*

Making an abbreviated call

Type a location number of a desired phone book record and press . Then press (**OK**) or to dial the displayed number. You can also press to scroll phone book numbers till the one you want appears.

Phone Book directory shortcut

There are two ways to access the Phone Book directory:

- As on the standby screen indicates, press to access the Phone Book directory.
- In standby mode, long press to access the Phone Book directory.

– Once you access the Phone Book directory, press to browse the entries (listed in alphabetical order). appears at the top left of the screen if the record you display is stored in the SIM card memory, while shows up if the record is stored in the phone memory.

– In the directory you can also find an entry by typing the first letter of its name. For example, if you try to find a name that starts with "K", enter "K" and press (**OK**) or . The names starting with "K" will appear first. Scroll the names until you find the one you want.

- When the desired phone number appears, you can:

– Press (**SEL**) or to dial the number.

– Long press to edit the phone number record. You can edit the record in the same way you save a phone number in the phone book.

☞*The Phone Book directory shortcut by long pressing is not available when the Voice Dial feature is activated.*

Messages menu shortcut

As ✉ on the standby screen shows, press ⊙ to enter the Messages menu.

Adding Phone Book entries

In standby mode you can add new entries to the phone book by first entering the phone number and long pressing the icon ✆ . Follow the prompts to enter the name and number, specify a caller group and location and press ⊙ (**OK**) or ✆ to save. Finally press ⊙ (**OK**) or ✆ again to add a voice tag to the number.

☞*The phone number saved this way is stored in you SIM card memory. To save a phone number in the phone memory, go to* ***Add Entry to Phone*** *in the* ***Phone Book*** *menu.*

Incoming call waiting

If another call comes in while you are on the phone, you can:

- Press 0+ and ✆ to reject the waiting call.
- Press 1 and ✆ to end the active call and connect the waiting call.
- Press 2abc and ✆ to hold the active call and connect to the waiting call.

Holding a call

- When you are on a phone call and wish to dial another number, you can place the current call on hold by pressing ✆. After a call is put on hold, **1** will appear on the screen, and when the second call is connected, **1** will pop up.
- When you have an active call and a call that is on hold, you can press ✆ to switch calls.
- When an active call ends, the call on hold will resume. You can also make a call on hold active again by pressing ✆ if you have only a held call.

☞*The figure next to* **1** */* **1** *(in the example above it is* ***1****) indicates the number of held/active calls.*

Call Options

When you are on a phone call, you can press MENU to access the Call Options menu. Use ↕ to scroll and press ⊙ (**SEL**) or ⊙ to access a selected option; press ⊙ (**QUIT**) or ⊙ to leave a selected option.

SIM Menu

Access the SIM Tool Kit menu.

Mute

Mute temporarily turns the microphone off during the phone call so that the person you are speaking with cannot hear your voice. The ⊞ icon appears when this mode is on.

Messages

You can read, write and send messages with this function.

Conference

The Conference menu has the following options:

☞ *The maximum number of parties allowed during a conference (multi-party) call varies, depending on the network you choose.*

End Call

During a multi-party call, you can end the call with one of the parties by selecting this function.

Switch

This function is available when you have both active and held calls. Switch transfers the active call to hold and vice versa, so that you may converse with the other party.

Hold

This function allows you to put a currently active call on hold, so that you can initiate a new call.

Reconnect

Once you end the new call while holding an old call, the old call can be made active again by selecting this function.

Conference call

This function allows you to make a conference call.

Split

Talk privately with one participant during a conference call.

Transfer

This function allows you to end your own call and connect the active and held calls, so the callers of the active and held calls can speak with each other alone.

Phone Book

You can access the Phone Book menu by selecting this item.

Call List

View dialled, received, and missed calls. When the desired phone number appears, press or (**SEL**) to send, save, or delete the number.

Adjusting the earpiece volume

When speaking on the phone, press to adjust the volume.

Key lock

This option can be used to lock your phone to prevent making a call unintentionally. Long press to activate the key lock function. When the key lock function is enabled, the icon will appear on the screen. To deactivate the lock, press (**Unlock**) or , then press . You can also activate the key lock function in the menu option **Key Lock**.

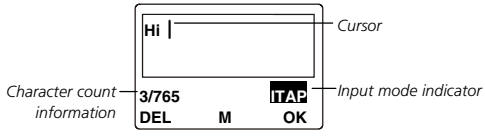
Input Mode Menu

Your phone provides several input methods when you wish to:

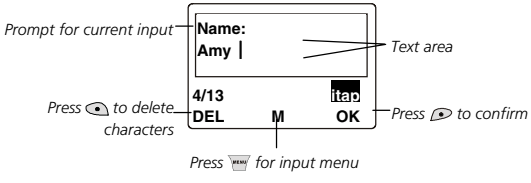
- write short messages.
- enter names or numbers in the phone book.
- write short notes in the calendar function, etc....

☞*For details on these features, see related sections of this user guide.*

Create Message



Phone book editor display



Selecting an input mode

On the editor screen, press (**M**) or long press to access the input mode menu. Scroll the menu with and press (**SEL**) or to select, or press a corresponding number key directly to choose from the following input modes:

☞*The factory default for the input mode is ABC Input. However, you can set the default yourself. See **Input Mode** under the **Phone Setting** menu. The default input mode you set appears automatically with the editor screen.*

☞*The input menu may vary from market to market.*

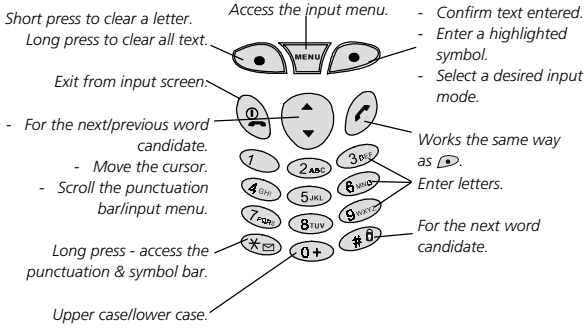
Smart Input (iTAP)

Smart Input (**iTAP**) is an efficient alternative to the traditional multi-tapping input, which requires you to press a key several times to get the letter you need.

Features of Smart Input (iTAP)

- Just one key press per letter; no multi-pressing of keys to enter letters.
- Comprehensive word database including common names.
- Widely used punctuation and symbols included.

Smart Input (iTAP) keypad mapping



Tips on using Smart Input (iTAP)

To enter words:

- Type a word by pressing the appropriate alphanumeric key once for each letter, disregarding the order of the characters indicated on the key. The word you type will appear outside the text frame until you confirm it.
- To switch between upper case and lower case, press 0+ Press (**DEL**) once to delete a wrong letter; long press to delete an entire word.
- The word changes as you type letters - disregard what's on the screen until you type an entire word.
- If the word displayed is not the one you want after typing it completely, press #0 for the next word candidate. You can also press for the next/previous candidate. When you see the word you want, press (**OK**) or to put it inside the text frame. A space will automatically appear between the word and the cursor, so you can type the next word directly.
- After you enter a word in the text area, press to move the cursor by one character; long press to move the cursor continuously.
- In the text area, press (**DEL**) to clear one character; long press to clear all text.

To enter punctuation and symbols:

- You can long press to display a bar of available punctuation and symbols at the bottom of the screen. Press to scroll the symbols one by one; long press to scroll page by page. Press (**OK**) or to enter a highlighted symbol, or press a number key to enter a symbol directly.
- Press (**QUIT**) or to exit the punctuation & symbol bar.

Demo of Smart input (iTAP)

To enter "Come home" on the message editor screen:

1 Press or to enter the message editor screen.

2 Press 0+ 2ABC for the upper case "C". Then press 0+ 6MNO 6MNO 3DEF for lower case "o" "m" "e".

3 Press (**OK**) or to enter "Come" into the text frame.

4 Press 4GHI 6MNO 6MNO 3DEF for "home".

5 "good" isn't the word you want, so press #0 or for the next candidate "home".

6 Press (**OK**) or to put "home" inside the text frame.

ABC Input

If Smart Input (**iTAP**) doesn't provide the word you want, you can press (**M**) or long press for the input menu and select **ABC Input**.

Please see **Alphanumeric keys** for the listing of the characters represented by each key in ABC Input.

Tips on using ABC Input:

- Follow the order of the characters shown on each key to enter data.
- Press once for the first letter shown on a particular key, twice for the second letter, and so on.
- Long press a key to switch between upper case, lower case and numbers.
- When you want to enter another letter, either press the key immediately or wait for the cursor to move to the next position.
- If you type a wrong letter or number, you can move the cursor to it by pressing , then press to erase it.

For example, to enter "Call":

1. Press three times for "C".
2. Long press to change to lower case and press the same key for "a".
3. Press three times for "l".
4. Repeat step 3 for the second "l".

123 Input

This input mode allows you to enter numbers using the alphanumeric keys.

Insert Symbol

Displays the bar of punctuation and symbols. Use to scroll the bar (long press to scroll page by page) and when the desired symbol is highlighted, press (**OK**) or . You can also press a corresponding number key (~) for a desired symbol.

Select Icon

You can insert an animated icon into a text message you'd like to send by selecting this input mode.

When the icon list appears, use ⊙ to scroll to the animated icon you want, then press ⊙ (**SEL**) or ⊙ to insert the icon in your message. The icon you insert is encoded in the form of three specific symbols. When done, press ⊙ (**OK**) or ⊙.

- To view the icon in the message text, you must go to **Preview**. Please see related sections under the main menu option **Messages**.
- To exit from the icon list without choosing an icon, press ⊙ (**QUIT**) or ⊙.
- To delete the icon from the message text, simply press ⊙ to erase the symbols that represent the icon.

☞***Select Icon*** *is only available for message editing.*

☞*Each message allows only one icon. The* ***Select Icon*** *option will not appear in the input mode menu if you already attached an icon to the message.*

☞*You can also send an icon message by selecting* ***Icon Message*** *in the* ***Messages*** *menu.*

☞*Icon message feature must be supported by your service provider and by the recipient's phone.*

Quick Message

Quick Messages allows you to send frequently used messages quickly and easily. A predefined list of messages is stored into the Phone along with spaces for your own customised messages. These messages can either be sent immediately or inserted into a personal message.

Quick Message listing

The following is the entries of the default Quick Message list:

No.	*Phrases and sentences*
1	*How are you?*
2	*Congratulations!*
3	*Sorry, I will be XX mins. late.*
4	*I will be there in XX.*
5	*Meet you at XX.*
6	*Need to talk. Please call.*
7	*Will call you back soon.*

☞*The default Quick Message list may vary from market to market.*

☞*There are 3 blank entries in the list which are reserved for you to store sentences you composed yourself.*

☞***Quick Message** is not available in **Phone Book**.*

Using Quick Messages

When the Quick Message list is displayed, scroll with ⊙ and press ⊙ (**SEL**), ⊙ or the appropriate number key to select a desired sentence. As soon as the sentence is entered, the screen automatically returns to Smart Input. You can now modify the sentence into the message you want. If you wish to use the other input modes, press MENU (**M**).

Select Dictionary

Select a language for use. The default language is determined by your SIM card.

☞*The dictionary may vary from market to market.*

Quick Access

Although the features in your Phone are available for easy accessible menus, some of the most commonly used features are also available in the **Quick Access** menu. The **Quick Access** menu takes you directly to these features, minimising the number of steps required. Each feature in the menu is allocated a number from 1 to 9.

☞*You can personalise the Quick Access menu as needed by selecting what features you want available in this menu. To set up your own Quick Access menu, you must go to* ***Quick Access*** *under the* ***Tools*** *menu.*

Quick Access menu

In standby mode, press ⊙ to display the Quick Access menu. The default menu items are as follows:

No.	Option
1	Vibrate on/off
2	Add Entry to SIM
3	Last Missed Call
4	Inbox
5	New Message
6	Chat
7	Download ScreenSaver
8	Calendar
9	Access Internet

☞*The default* ***Quick Access*** *menu items vary from market to market.*

☞*For details on each menu option, please refer to related sections of this user guide.*

Using the Quick Access menu

Press ⇕ to scroll through the menu and press ⊂ (**SEL**) or ⊃ to access an option. You can also press a corresponding number key to get to a desired function directly. To exit from a Quick Access option or operation, press ⊂ or ⊃.

The Mobile Internet

Your phone supports WAP (Wireless Application Protocol) technology. It allows you to log on to the mobile Internet and browse on-line services available from your service provider, such as financial, sport, travel, and entertainment information.

☞*Contact your service provider for details about the mobile Internet services based on the WAP technology they provide.*

☞*To connect to the Internet successfully you also need to make sure that your WAP settings are correct. Please go to* ***Browser Setup*** *in the* ***Phone Setting*** *menu.*

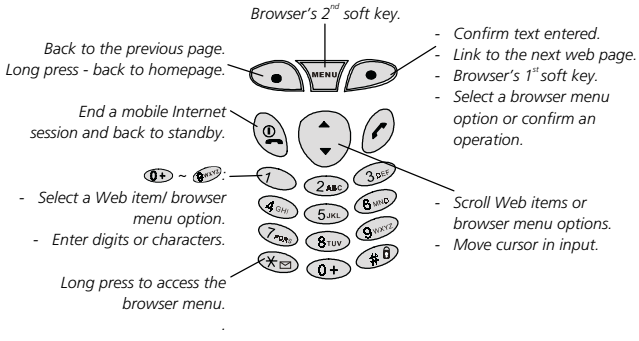
Logging on to the Internet

There are two ways to launch the browser and start the Internet connection:

- In standby mode, press ⊙ to access the Quick Access menu (see **Quick Access**), scroll to highlight Internet and press ⊙ (**SEL**) or ⊙.
- In standby mode, press MENU to access the main menu, scroll to highlight **Tools** and press ⊙ (**SEL**) or ⊙. Select **Access Internet** and press ⊙ (**SEL**) or ⊙.

When you launch the browser, a browser greeting screen as shown below will pop up and your phone will start dialling simultaneously.

Browser key mapping



Navigating the Internet

After you log on successfully, the homepage you connect to will appear. Use the following keys to navigate through the web pages:

- Press ⊙ to scroll up and down the Web menu.
- Press ⊙ to link to the next web page.
- Press ⊙ to return to the previous page; long press ⊙ to go back to homepage.
- Press ⊙ (browser's 1st soft key) and ⊙ (browser's 2nd soft key) to execute the commands displayed at the bottom of the browser screen.

You can specify a homepage of your own. Your network service provider specifies the default homepage.

Several messages may appear while navigating:

Message	*Description*
Waiting	*This message appears before logging on successfully.*
Sending	*Sending data to the Internet.*
Receiving	*Receiving data from the Internet.*
Network not responding	*The website you connect to is not responding.*

Logging off the Internet

Press to terminate your Internet connection, to close the browser and return to standby mode. The phone will hang up simultaneously.

Using browser menu

When you browse web pages, long press to access the browser menu. The browser menu contains the options below. Scroll and press (**OK**), or press a number key to select. To return from the current browser menu to the previous screen or web content, press . Long press to return to the web content directly. You can also press (browser's 1st soft key) and (browser's 2nd soft key) to execute the commands displayed at the bottom of the browser screen. Press to get back to the standby screen directly.

- **1 Reload**
  Reloads the current web page.
- **2 Home**
  Goes back to the homepage. To specify a homepage, please see **Homepage**.
- **3 Bookmarks**
  You can open the Bookmarks list to choose a web bookmark.
  (The Bookmarks list is stored in the remote server. It can be used only when you are connected to network.)
- **4 Mark Site**
  Bookmarks the current web site or web page to the My Favourites list.

- **5 My Favourites**
  On the My Favourites list you can select a bookmark and press (**menu**), then you can edit the name and web address stored in the bookmark, or erase the bookmark.
  You can also scroll the My Favourites list and press (**OK**) to link to a web site bookmarked on the list.
- **6 Go to Site**
  Goes to a specified web site. Enter the address of a desired website and press (**OK**) to connect.
- **7 Disconnect**
  Disconnects from the Web but stays in the browser menu for off-line browsing.
- **8 About Phone.com**
  You can read related information about Phone.com, your browser version and handset type.
- **9 Advanced...**
  You can enter this Advanced setting menu for the following:

– **Show URL**
  Shows the web address of the current page. It can be used to save the current page as your homepage. This will bring you to the page without waiting next time.

– **Homepage**
  Specifies a homepage. The homepage you specified is opened every time you connect to the web main screen or select Home in the browser menu. You can select this item to get to the editor screen and specify a desired homepage by entering its web address. (However, some network service providers do not allow the user to specify the homepage).

– **Set Up. Link**
  Selects the UP. Link servers. You can choose to connect to one specific server. For details on the setting parameters please see **Browser Setup**.

– **Offline Services**
  Your phone saves the last browsed web pages in its temporary memory (Cache). You can access a desired web page off-line by selecting this item. If the web page you want is not stored in the temporary memory, you will be prompted to connect to the web service. If the temporary memory is cleared, all web content stored in it will be erased. Please refer to the Clear Cache option under **Browser Setup**.

– **Outbox**
  Displays outbox status screen. The unsent information (such as an unsent Web-based e-mail) is stored here when you navigate the Web. You can come here to see if there is any unsent information and send it again the next time you link to the Web.
– **Restart UP. Browser**
  Restarts the browser.
– **Encryption**
  View the encryption information. This function is for security. There is a security key stored in the browser. The key is used to encrypt data when transmitting data between the handset and server. Press ◉ to show the following options:
  Verify Key
  Verifies the checksum of the key.
  New Key
  Requests a new key from the server.

The Menus

Your phone's menus cover a wide variety of features. The main menu is made up of 8 animated icons. Each represents a specific main menu option consisting of related submenus.

Using the menus

Normal access

For example, if you want to change the language setting:

1. Press MENU to access the main menu.
2. Press ⇕ for Phone Setting and press ● (**SEL**) or ⌐.
3. Press ⇕ for Language and press ● (**SEL**) or ⌐.
4. Press ⇕ for the desired language and press ● or ⌐.
5. Press ⌂ (**QUIT** or **EXIT**) or C to return to the previous menu.

Shortcut access

You can quickly reach a desired function by typing the corresponding function code listed behind each option.

For example, if you want to change the language setting (the function code for the language setting is 4-6):

1. Press MENU (**M**) to access the main menu.
2. Press 4GHI to access Phone Setting.
3. Press 6MNO to access Language.
4. Press a corresponding number key for a desired language.

Phone Book

Phone Book menu allows you to view the phone book directory and to add and delete entries. In this menu you can choose from the following options:

Last number

You can find the record of the latest calls in a variety of situations.

Missed

Displays the last missed calls.
Press ⊙ to browse the calls. Then press ⊂ (**SEL**) or ⊂ to choose from the following options:

- **Call**
  Calls the number.
- **Save**
  Saves the number into the SIM card memory's phone book:

1 Enter the name, confirm the number and press ⊂ (**OK**) or ⊂.

2 Add the phone book record to a preferred caller group list, and press ⊂ (**SEL**) or ⊂.

☞ ***What is a caller group?***
Each caller group has its own unique settings – ring tone, icon etc. When a member of a particular caller group calls you or sends you a text message, the group's defined ring tone and icon will appear, so you know which group the caller belongs to before you answer the call.

☞ *Each name in the phone book can belong to only one caller group.*
To customise the settings of each caller group, see ***Caller Group****.*
To activate/deactivate the Caller Group function, go to ***Caller Group****.*

3 Your phone will assign a location number for this record. Press ⊂ (**OK**) or ⊂ to confirm.

4 You will be prompted to add a voice tag to this record. Press ⊂ (**OK**) or ⊂ and record a voice tag for this phone number record.

- **Delete**
  Deletes the number.

Received

Displays the last received calls.

You can use this option the same way as **Missed**.

Dialled

Displays the last dialled calls.

You can use this option the same way as **Missed**.

Delete All

Deletes all records of missed, received, or sent calls.

Find Record

You can find a record from the Phone Book by entering the name under which it is stored. Follow the prompt to enter the name. Then press (**OK**) or , and the corresponding location, phone number and name will appear on the screen. You can also find a Phone Book record by typing the first letter of its name. For example, if the name starts with "K", enter "K" and press (**OK**) or . The names starting with "K" will appear on the screen. Scroll the names until the one you want.

Now you can press (**SEL**) or to choose from the options below:

- **Call**
  Dials the selected number.
- **Edit**
  You can edit the record here. Modify the name, number and select a caller group for the number.
- **Delete**
  Deletes the record.
- **Move**
  Moves the record to another location. Choose to move the record to the SIM or phone memory, enter the location number, and press (**OK**) or .
- **Voice Dial**

– **To add a voice tag**
  When you select this option you will see the prompt **Add Voice Tag?**. Press (**OK**) or and say the recipient's name into the microphone after the tone. If recording is successful, the voice tag will be replayed. Then, an icon will appear above the record indicating that the voice tag has been attached. The next time you display this phone book record the voice tag will be played simultaneously.

– **Records with existing voice tags:**
Playback
Play the voice tag of this record.
Edit
Change the voice tag. This is done in the same way as adding a voice tag.
Delete
Delete the voice tag.

Add Entry to SIM

You can store phone book records in your SIM card memory:

1 Follow the prompts and enter the name and phone number and press (**OK**) or .

2 Add the phone book name to a preferred caller group list, and press (**SEL**) or .

3 Your phone will assign a location number for this record. Press (**OK**) or to confirm.

4 You will be prompted to add a voice tag to this record. Press (**OK**) or and record a voice tag as described above.

☞ *When you enter a new phone number, use the international number format: Long press 0+ to display + and enter the corresponding country code and the phone number. By doing so, you do not have to change the records when you are roaming in other countries.*

Add Entry to Phone

You can store phone book records in the phone memory by selecting this option. The steps are the same as described in **Add Entry to SIM**.

Delete

You can erase phone book records that are no longer needed by using the following options:

By Name

Deletes records by name.

Enter the name of the record and press (**OK**) or . The record will be displayed on the screen. Press (**SEL**) or to delete.

Delete All In SIM

Deletes all phone book records stored in the SIM card memory. You will be prompted to enter the phone code before you delete all records. Enter the phone code and press (**OK**) or to delete.

Delete All In Phone

Deletes all records stored in the phone memory. Steps are the same as describe in Delete All In SIM.

Delete All

Erases all voice tags from the phone book records. Enter the phone code and press (**OK**) or to delete.

Caller Group

You have 5 caller groups to choose from (**Default Group** and **Group** 1~4). You can add any phone book records to a particular caller group and define such settings as ring tones, icons, etc. for incoming calls from a specific group.

☞*Settings for **Default Group** are also applied to incoming calls not assigned to a caller group.*

☞*To activate/deactivate the Caller Group function, go to **Profiles**.*

Settings for Default Group and Group 1~4 are as follows:

View List

View the phone book names stored in this group.

- If no records were added, you will see **No Matching Records**.
- If the list already contains records, you can scroll them until you see the one you want. Then press (**SEL**) or to dial the number (**Call**) or move the record to another caller group (**Edit**).

Rename

Change the title of this group. (Not available in Default Group.)

Vibracall

Set the vibration mode for this group:

- **Off**
  Turn the vibration mode off.

- **Vibrate and Ring**
  The handset rings and vibrates simultaneously when there is an incoming call from this group.
- **Vibrate only**
  The handset vibrates without ringing when a call comes in from this group.
- **Vibrate then Ring**
  When a call comes in from this group, the handset vibrates five times first before it rings.

Ring Type

Define a ring tone for this group. Your phone will ring with the tone you choose when there is an incoming call from this group.

SMS Alert

Specify an alert tone for short messages from this group.

Icon

Specify an icon for this group.

The animated icon you choose will appear when there is an incoming call from this group.

Voice Dial

When you enter this option, you will see a list of phone book records with voice tags. Scroll the list for the record you want and press (**SEL**) or . You will see the following:

Playback

Play the voice tag of the selected record.

Edit

Change the voice tag. This is done in the same way adding a voice tag.

Delete

Erase the voice tag from this record. When erased, the voice tag list will not have this record.

Service Number

This option allows you to view and call the service phone numbers provided by your service provider. These numbers are stored and locked in your SIM card.

Own Number

Sets or displays the record of your current SIM card number.

- If no own number records are saved in the memory, **No Records Add Record?** will display on the screen. Press (**OK**) or and enter your name and phone number, then specify a location.
- If you have already entered your own number data, press (**OK**) or to add a new record or to edit or delete the current one.

Status

This menu option allows you to view the numbers of free and occupied phone book entries. The phone memory can store up to 100 phone book records, while the number of available entries in the SIM memory varies, depending on the network service you subscribe to.

The screen will show the numbers of available and occupied entries in the SIM card. You can press to view the numbers of free and occupied entries in the phone memory.

Copy Record

This function allows you to copy or move phone book records between the SIM and phone memories.

SIM -> Phone

Copy or move phone book records from the SIM into the phone memory.

- **Single**
  Copy or move a single phone book record from the SIM memory into the phone memory.
  - **Keep original**
    Copy a single record from the SIM memory into the phone memory, while keeping the original record in the SIM memory. Scroll through the records in the SIM memory. When you see the one you want, press (**OK**) or and the records will be copied into the phone memory.
  - **Delete Original**
    Remove a single record and store it in the phone memory. Scroll through the records in the SIM memory. When you see the one you want, press (**OK**) or and the record will be moved into the phone memory.

- **All**
  Copy or move all records from the SIM card into the phone memory.

– **Keep original**
  Copy all records from the SIM memory into the phone memory while keeping the original records in the SIM memory. After entering this option, the screen will show the total number of the records and ask if you want to copy all records. Press (**OK**) or and all the records will be copied into the phone memory.

– **Delete Original**
  Remove all the records from the SIM and paste them into the phone memory.

Phone -> SIM

- **Single**
  Copy or move a single phone book record from the phone memory into the SIM memory.

– **Keep original**
  Copy a single record from the phone memory and paste it into the SIM memory, while keeping the original record in the phone memory. Scroll through the records stored in the phone memory. When you see the one you want, press (**OK**) or and the record will be copied into the SIM memory.

– **Delete Original**
  Remove a single record from the phone memory and store it in the SIM memory. Scroll through the records stored in the phone memory. When the desired one appears, press (**OK**) or and the record will be moved into the SIM memory.

- **All**
  Copy or move all records from the phone memory into the SIM card.

– **Keep original**
  Copy all records from the phone memory into the SIM memory, while keeping the original records in the phone memory. You will be prompted to copy all the records. Press (**OK**) or and all the records will be copied into the SIM memory.

– **Delete Original**
  Remove all the original records from the phone memory and paste them into the SIM.

Messages

Inbox

If you receive a new text message, you will hear a tone, and the prompt **Read?** will appear (also appears at the top left of the standby screen). Press (**OK**) or to read the message record, or enter this menu option to do so. You will see the record of the last received message, showing delivery time, date and phone number or caller ID (provided stored in the phone book). Press (**SEL**) or to read the message. If you have several messages, press to browse the message records and press (**SEL**) or to read them.

Then press (**OPTION**) or for the following options:

Reply

Reply to the current message.

Operation and submenu are the same as those under **Edit**, with the exception that when you choose to get back to one recipient (the caller) or save the reply message, you only need to confirm the caller's phone number shown on the screen, without having to enter a new phone number again.

Delete

Deletes current message. **Deleted Read Next?** will appear on the screen. If you want to read the next message, press (**OK**) or . If you want to exit, press (**QUIT**) or .

Start Chat

You can initiate a chat session by replying to a message in your Inbox. You will be prompted to enter your nickname and a chat message. Then press (**OK**) or to initiate the chat session.

Call back

Dials the number shown on the record of the received message.

Edit

Edit current message. When complete, press (**OK**) or to choose from the following options:

- **Single Recipient**
  You can send the message to one recipient in two ways:
  – Simply enter the recipient's phone number as you are prompted to do so and press (**OK**) or to send the message directly.

– If you want to select a number from the Phone Book when you are prompted to enter the phone number, you can press (**SEL**) or and enter the recipient's name saved in the Phone Book. When the desired phone number appears, press (**OK**) or to send the message. You can also press or twice to select a phone number directly from the Phone Book without having to enter the name first.

- **Multiple Recipients**

– **By Entry**
You can use your phone book to choose recipients to whom you want to send a message. Scroll the entries and press (**SEL**) to select the recipients. Then press (**CANCEL**) if you want to deselect a recipient. When done, press to show the list of the selected recipients. If you want to change the list press (**CHANGE**) and follow the steps above. Finally, press to send your message.

– **By Group**
You can send messages to selected members of a caller group. Choose a group and select recipients the same way as selecting by entry.

- **Select Icon**
Insert an animated icon into the message. This option works the same way as Select Icon in the input mode menu.

☞ *The **Select Icon** option will not appear if you already have an icon attached to the message.*

- **Preview**
View the modified message. If the message includes an animated icon, the icon will appear first. Then press to display the text.

– **Save**
Enter a phone number and press (**OK**) or to save the message to Outbox.

Send

– Forward the current message to one or more recipients as described above.

Retrieve Number

Provides options for the phone number of the current message.

If a message has more than one number, use ⊕ to scroll the numbers. When you see the one you want, press ⊙ (**SEL**) or ⊙ to choose any option.

- **Save**
  Saves the number in the Phone Book. Enter the name and confirm the phone number. You can then specify its caller group and location. Press ⊙ (**OK**) or ⊙ to save the number. You can also record a voice tag for this number.
- **Call**
  Press ⊙ (**SEL**) or ⊙ to dial the number.

New Message

This function allows you to create short messages.

Type your message, then press ⊙ (**OK**) or ⊙ to choose to send or save it.

SMS Chat

You can engage in a peer-to-peer chat session by writing short messages to the other mobile phone user. There are three ways of initiating a chat session:

- You can select a previously received message in **Inbox** and choose **Start Chat** to set up a chat session.
- When someone sends you a chat message, or accepts your chat invitation, the chat prompt will appear showing her/his name followed by a message. Choose to join or reject the chat invitation by pressing the appropriate soft key.
- You can initiate a chat session by selecting **SMS Chat** followed by **Start Chat**.

– Enter a nickname you'd like to use. Then type the message you want to send. Finally enter the phone number of the person you want to chat with and press ⊙ (**OK**) or ⊙ to send the chat invitation.

– When you have sent a chat message, the message is displayed on the screen as **nickname:>message**. Then you can continue the chat by sending another message.

– If you want to leave the chat session screen, press ⊙ (**QUIT**). Then you can enter this SMS Chat menu again and choose **Resume Chat** to go on with a chat session, or choose **End Chat** to terminate a chat session.

– When you are interrupted by an incoming call during a chat session:
You can press to answer the call. At the end of the call, the screen returns to standby. You can then resume the chat session by selecting **Resume Chat** from the SMS Chat menu.
You can press to reject the incoming call and continue the chat by selecting **Resume Chat** from the SMS Chat menu.

- You can see a record of your conversations by choosing **History**. You can also erase the log data by choosing **Erase History**.

Icon Message

In this option, you can first select an icon you like, then write down a text message you'd like to send with the icon. When done, choose to send or save the message. This option has the same submenu as **Edit** in **Inbox**.

Quick Messages

Quick Messages allows you to send frequently used messages quickly and easily. A predefined list of messages is stored in the phone along with spaces for your own customised messages. These can either be sent immediately or inserted into a personal message.

To write and store your own Quick Messages

In the Quick Message list, pick one out of the three empty entries and select Edit to start writing your own sentences. When done, press (**OK**) or to save the sentence. The screen will return to the Quick Message list showing the sentence stored in the selected entry.

To access a Quick Message

Scroll the Quick Messages list, and select a sentence by pressing (**SEL**) or , or the appropriate number key. You will then see the following options:

- **View**
  Displays the entire Quick Message. You can modify the sentence into the message you want to send. Then press (**OK**) or to choose to send or save the message. These functions are described in **Edit**.
- **Send**
  You can send the message to one or more recipients.
- **Edit**
  Modify the sentence. Press (**OK**) or to save the modified sentence.
- **Delete**
  Deletes the sentence. The entry where the sentence was stored will become blank.

To access a preset Quick Message sentence

In the Quick Messages list, scroll to a find the sentence you want. Press (**SEL**) or , or an appropriate number key to select this sentence. Then choose **View** or **Send**.

Outbox

You can use this function to read the messages you sent or saved. After entering this option, you will see the record of the last saved message showing its phone number and record number. Scroll the records until the one you want appears on the screen. Then press (**SEL**) or to view the message. When finished, press (**OPTION**) or to choose from the following:

Delete

Deletes the selected message.

When deleted, **Deleted Read Next?** will be displayed. Press (**OK**) or to read the next message. If you want to exit, press (**QUIT**) or .

Edit

See **Edit** above.

Send

Sends the message to one or more recipients.

Retrieve Number

Provides options for the phone number of the current message.

Voice Mail

This option will make a call to the current voice mail number provided by your service provider.

When you receive a message, will appear. Press or to return to standby, where will indicate that voice mail is waiting on line 1 or line 2. Long press to dial the mailbox directly, or enter the mailbox through this menu.

Call

Dial the mailbox to listen to your voice mail.

Edit

Allows you to modify your mailbox number. Enter the voice mailbox number provided by your provider and press (**OK**) or .

Broadcast

You can receive cell broadcast offered by your service provider, and choose preferred topics and languages. The options are as follows:

Receive

Receive the cell broadcast provided by your service provider.

Topics

Display the topics of the broadcast message.

After entering this item, **No Topics Add Topic?** will appear if no topics have been saved before. Press (**OK**) or and enter the topic you want. If you have entered a topic before, it will appear on the screen when you select this item. You can then choose to add a new topic, edit or delete the saved one.

Language

This option allows you to select different languages for broadcast messages. Press (**SEL**) or to choose the language that you want.

Settings

This menu includes several options to adjust the message settings:

Route Centre

This option stores the phone number of the message centre. The message you send is transmitted via this message centre to the recipient.

Enter the message centre number provided by your provider and press (**OK**) or to save the number.

Valid Period

You can select the length of time that your text messages are stored at the message centre while the message centre attempts to deliver them.

Reply Path

This option allows you to set the reply path, so that any message sent with this option switched on will be returned via the same service centre number.

Notification

If you activate this function, your service provider will send you a delivery report.

Format

You can ask the network to convert your text message into different formats. Select from the following formats: Text, Paging, E-Mail, Fax, Voice, ERMES, Telex and Grp4 Fax.

Delete All

This option will delete all messages.

Call Services

Call Services provide several options to manage your calls.

Call Records

This menu contains records of call cost and duration.

Time

This function records the information of call duration.

- **Last Call**
  Shows duration of the last call in hours, minutes & seconds.
- **All Calls**
  Shows the total duration of all types of calls.
- **Calls out**
  Shows the total duration of all outgoing calls.
- **Calls in**
  Shows the total duration of all incoming calls.
- **Clear Time**
  Clears all duration data.

Cost

This function records the information of call cost.

- **Last Call**
  Shows the cost of the last call.
- **All Calls**
  Shows the total cost of all calls.

- **Clear Cost**
  Clears all cost data.

☞*PIN 2 is required.*

☞***What is PIN2?***
PIN2 is a second set of PIN that is used mainly to control limited services such as call cost limitation and fixed dialling numbers.

Call Rate

- **Cost Limit**
  You can set a limit to the total call cost. Your phone cannot be used to make a pay call if call cost goes beyond that limit. When this function is activated, the remaining cost will appear on the screen.

– **On**: Enable the cost limit function. (PIN2 is required.)
– **Off**: Disable this function.

- **Currency**
  Allows you to enter a preferred currency base for calculating the cost of your calls.

☞*PIN2 is required.*

- **Charge Unit**
  Allows you enter the unit price for calculating the cost.

☞*PIN2 is required.*

Call Divert

You can choose from the following call divert modes as needed.

Divert Voice

Divert incoming voice calls to a designated phone number.

- **Activate**
  Enables the Divert Voice mode. Enter the phone number you want your calls diverted to and press (**OK**) or . The icons, 1 or 2 will appear, depending on which line you divert. If you divert both lines, 12 will be displayed.
- **Cancel**
  Disables the divert voice function.
- **Status**
  Show the status of the divert voice function.

When Busy

This option will divert incoming calls if your phone is busy. Settings are the same as for **Divert Voice**.

If No Reply

This option will divert incoming calls if you do not answer. Settings are the same as for **Divert Voice**.

Unreachable

This option will divert incoming calls if your phone cannot be contacted by the network. Settings are the same as for **Divert Voice**.

Conditional Divert

This option will enable you to divert voice calls to the designated number when your phone is busy, unreachable or if you do not answer the call.

Cancel All

This option will enable you to cancel the diversion of incoming calls.

Call Barring

Call Barring is a feature which can be used to bar outgoing and incoming calls.

All Outgoing

This option will bar all outgoing calls, except emergency calls.

- **Activate**
  Enter the password provided by your service provider and press (**OK**) or to enable this function.
- **Cancel**
  Enter the password provided by your service provider and press (**OK**) or to disable the function.
- **Status**
  Shows the status of this function.

International Calls

This option will bar outgoing international calls. Settings are the same as for **All Outgoing**.

International Except Home

This option will bar outgoing international calls except those to your home country. Settings are the same as for **All Outgoing**.

All Incoming

This option will bar all incoming calls. Settings are the same as those for **All Outgoing**.

When Roaming

This option will bar incoming calls when roaming (when you are travelling abroad). Settings are the same as for **All Outgoing**.

Cancel All

Cancels all call barring settings. Enter the password provided by your service provider and press (**OK**) or .

Change Code

This option allows you to change the password for the Call Barring function.

Call Waiting

When you are on a call and an incoming call is made to your phone, an incoming call number and a call-waiting message will appear. Choose to activate, cancel or check the status of this function.

Line in Use

This function allows you to use two different telephone numbers for one single phone. You can designate the number used to make a call and use both of these numbers simultaneously to receive calls without having to use two phones to do so.

Choose Line or Line 2. The icon of the line you selected (L1 or L2) will appear on the standby screen.

Show Number

This option allows you to decide whether you want your number to appear on the recipient's phone when you make a call.

Preset

Your network's default setting will determine whether or not your phone number is displayed on the recipient's phone.

On

The recipient's phone will show your number when you send a call.

Off

Your phone number will not appear on the recipient's phone.

Phone Setting

This menu allows you to customise the way your phone works.

ScreenSaver

This menu allows your handset to display the screensaver animation you download from a screensaver website. You can also choose to display the default animation stored in the phone memory.

Off

If you select this option, no screensaver will appear and phone and network information will be displayed instead.

Download

Initiate a WAP session to download an animation from the preassigned screensaver website. The animation you download will be stored as an option following **Animation 1** and **Animation 2** under this **ScreenSaver** menu.

☞ *To successfully download animations, you must subscribe to WAP services and ensure the WAP settings are correctly programmed in **Browser Setup**.*

☞ *You can also download animations by selecting **ScreenSaver** in the **Tools** menu.*

☞ *SIS Animation by NeoMtel*

Animation 1

Display the handset's default animation 1.

The screensaver you select will be displayed on the standby screen if the keypad is untouched for about 30 seconds.

The screensaver will disappear if there is an incoming call received or when you touch any key on the keypad.

Animation 2

Display the handset's default animation 2. Scenarios are the same as described in **Animation 1** after you choose to display animation 2 or any of the animations you downloaded from the Web.

Set Time & Date

Sets current date and time to be displayed on the standby screen. To set the date, use the alphanumeric keys to enter the year, month and day. Press (**OK**) or to confirm. To set the time, use to enter the hour, then press and enter the minute in the same way. If you want to erase a number, press (**DEL**).

Power On/Off

This function allows you to have your phone automatically turned on and off at specified times, helping you save battery life.

☞*Be sure to turn off this feature when travelling on an aeroplane or in other environments where the use of mobile phones is prohibited.*

Power On Time

Specify a time at which your phone is automatically turned on. Use or number keys to enter hour and minute (24 hr format).

Power Off Time

Specify a time at which your phone is automatically turned off.

Enable Always

Enables your phone to be powered on and off daily at specified times.

Enable Once

Enable this mode and your phone will perform only one cycle of power on and power off. Your phone will remain in its present state until otherwise instructed. For example, if you set power-on time for 08:00 and power-off time for 22:00 and select Enable Once at 12:00 while leaving your phone on, the phone will be powered off at 22:00 and then powered on again at 08:00 and remain on. If you select Enable Once at 06:00 and then turn the phone off, the phone will be powered on at 08:00 and powered off again at 22:00 and remain off until manually turned on again. If you select Enable Once at 06:00 but keep the phone on, the phone will remain on until 22:00. At 08:00 the next day, the phone will be powered on and remain on until manually turned off.

Disable

Disables all scheduled power on/off settings.

Browser Setup

To log on to the mobile Internet you need to subscribe to WAP services available from your service provider and make sure that your access settings are correct.

Proxy Setting

Your phone comes with 3 WAP profiles in order to simplify your browsing. To set WAP profiles, select one of the profiles (1-3). You can then set the two other profiles in the same way.

Profile 1

Press (**SEL**) or , and the following options will appear:

- **Activate**
  Set Profile 1 as default.
- **Data Info**
  Enter the following account information provided by your Internet Service Provider (ISP).

– **Phone #**
  This is the number that your phone will dial to access the Internet. Your ISP provides this number.

– **User**
  This is your user ID, provided by your ISP.

– **Password**
  Enter the password provided by your ISP.
  Then set Baud Rate (i.e. data transmission rate) and Line Type:

– **Baud Rate**
  The default setting is 9600, which is the standard data rate for GSM phones.

– **Line Type**
  This is the type of call you make to your ISP. The default setting is ISDN.

- **Primary Data**
  This is the IP address of the gateway (ISP main server) through which you access the Internet. Enter the IP provided by your service provider.
- **Secondary**
  Enter the backup IP if available. The backup IP will be used if the main server does not respond during dial-up.

- **Homepage**
  Specify the homepage by entering its web address. If the network service provider has set their default homepage, however, the page you specify here will not appear. The homepage you specify in the browser menu has priority over the page you specify in this option.
- **Edit Profile Name**
  You can change the profile name here.

Idle Time Out

You can specify the time the phone waits before hanging up if it detects no Internet activity. Minimum: 30 seconds; Maximum: 1000 seconds.

Clear Cache

The cache serves a temporary memory that stores the content of the last browsed web page. Clear the cache will erase all web content stored in it.

Key Lock

Select this function if you want to prevent accidental dialling. In standby, you can also long press #0 to activate the lock. When the lock is enabled, ⊶ will appear at the bottom of the standby mode screen. You still can answer phone calls by pressing ✆. To unlock, press • (**Unlock**) or ✆, then press *.

Auto KeyLock

The key lock will be activated approximately 30 seconds after you set this mode on.

Lock now

Activate the key lock immediately.

Off

Disable the function.

Language

You can select the language used to display information.

☞*The language you choose will be stored in your SIM card memory. Therefore, the language setting may change if you insert a different SIM card.*

☞*You can change the default language by scrolling through and selecting the one you want.*

Input Mode

You can set the default input mode that comes along with the editor screen. Select smart input (**iTAP**) which predicts the word you are typing, or ABC input.

Time Alert

If you activate this function, your phone will beep every minute during a call. Select On or Off.

Auto Redial

If you make a call that is not answered, your phone will redial the number continuously. Your phone will redial up to 10 times before the call is answered. Choose to turn this function on or off.

Back Light

Adjusts the duration of the LCD backlight. The backlight will be turned on the moment the phone receives calls, messages, etc., or when you touch any key on the keypad. Select a desired time period or choose to turn the backlight off.

Voice Dial

Enable/disable the voice dial mode in standby.

Restore

Reset all settings to default. Enter the phone code (the default phone code is 1234) and press (**OK**) or twice to confirm.

Network

When turning on your mobile phone, the phone automatically connects to the designated service provider. This menu allows you to select an appropriate service provider and system as needed.

Automatic

The phone will perform another network search when this function is selected.

Manual

The phone lists the available service providers for you to choose from.

Band

This function allows you to choose the frequency band for the GSM radio standard. If you choose **Automatic**, your phone will select an appropriate network system automatically. Connect your phone to a GSM 900 or GSM 1800 network by choosing **900 MHz** or **1800 MHz**.

Security

This menu gives you options for settings, PIN check, phone code, SIM lock etc., and for setting limitations on outgoing and incoming calls.

Code Status

PIN code

This option allows you to Activate/Deactivate the PIN code by selecting On or Off. When you change the PIN code status, you will be prompted to enter PIN.

Phone Code

This option is used to set the phone code. The phone code can be set to protect your phone from unauthorised use. The phone code is a four digit number whose default is 1, 2, 3, 4.

Change Code

PIN Code

This option is used to change your SIM card PIN code. The PIN code option must be set to on and you must enter the old PIN code before you can proceed. Enter the new PIN and press (**OK**) or . Enter the new PIN again and press (**OK**) or to confirm.

PIN2 Code

You can change PIN 2 code the same way you change your PIN.

When you enter a wrong PIN2 code three times in a row, you need to enter the PUK2 code to unblock PIN2, if one is provided by your service provider.

Phone Code

You can change your phone code in the same way you change your PIN.

Network Code

You can change the network password in the same way you change your PIN.

Fixed Dial

This feature allows you to set limitations on the numbers you can call.

☞*You must have PIN2 code before you can use this function.*

! *If you enter a wrong PIN2 code three times in a row, you need to enter the PUK2 code to unblock PIN2, if one is provided by your service provider.*

View

This option allows you to scroll through the numbers in the Fixed Dial list.

Set Status

This option allows you to switch Fixed Dial On or Off. You will be prompted to enter PIN2.

Modify

You need to enter PIN2 before you can add, edit and delete the records of your fixed-dial numbers.

SIM Lock

With this function, you can help prevent unauthorised use of the phone with unknown SIM cards.

If you set this function On, and if the SIM card inserted into your phone is not the one used to enable this function, you will be asked to enter the unlock code when you switch on your phone. If the unlock code entered is correct, the Phone will recognise the SIM Card automatically. The next time you switch on your phone with this newly recognised SIM card, you will not be asked to enter the unlock code again. However, if the unlock code entered is incorrect, the display will show **Insert Correct SIM**, and the phone will function as if the SIM card was not inserted. Your phone can recognise up to 3 different SIM cards.

☞*There is no limitation on the number of wrong attempts when you enter the SIM lock code.*

Set Status

Enables/disables the SIM lock. You need to enter the unlock code first before you change the SIM lock status. (The default unlock code is 00000000.)

Change Code

This option allows you to change the unlock code. Enter the original unlock code and new unlock code twice and press ⊙ (**OK**) or ⊙. The length of the code may be from 1 to 8 digits, depending on your setting.

Audio Setting

This menu enables you to adjust the audio settings of your phone.

Ring Type

Select a ring tone from a variety of melodies. The ring tone you set in this option will be used for the currently active profile (see **Profiles**). Scroll the list of the available ring tones and listen to a highlighted melody. Then press (**SEL**) or to confirm your choice. Up to 5 downloaded ring tones can be supported by the phone. These will be listed in addition to the standard ring tones stored in the phone.

Vibracall

Select a desired vibration mode from the following options. The vibration mode you set here will be used for the currently active profile (see **Profiles**).

Off

Turn the vibration mode off.

Vibrate and Ring

The handset rings and vibrates simultaneously when a call comes in.

Vibrate Only

The handset vibrates without ringing when a call comes in.

Vibrate then Ring

When a call comes in, the handset vibrates five times first before it rings.

SMS Alert

Select an alert tone for incoming short messages. Your phone will make the tone you set when a short message is received. The alert tone you set in this option will be used for the current profile.

Profiles

In this menu you will see a list of profiles. You can customise the audio settings of each profile and activate a profile for a particular event or situation.

General

- ***Activate***
  Activates settings of the General profile.
- ***Customise***
  This menu allows you to customise the following as needed:

– **Caller Group**
Activates/deactivates the Caller Group function.
– **Vibracall**
Sets the vibration mode:
Off: Turn the vibration mode off.
Vibrate and Ring: The handset rings and vibrates simultaneously when a call comes in.
Vibrate Only: The handset vibrates without ringing when a call comes in.
appears at the top of the standby screen when you select this mode.
– **Vibrate then Ring**: When a call comes in, the handset vibrates five times first before it rings.

- **Ring Type**
Select a ringing mode from a variety of melodies. Scroll the options and listen to the highlighted melody. Then press (**SEL**) or to confirm your choice.
- **Ring Volume**
You can adjust the ring volume level . A total of five levels are available. Press to change the ring volume level and press (**SEL**) or to confirm.
- **SMS Alert**
Select the Alert tone for incoming short messages.
- **Keypad Tone**
This setting determines whether you hear keypad tones.
- **Answer By**
Two options are available for you to answer incoming calls:

– **Any Key**: The incoming calls can be answered by pressing any key.
– **Send Key**: The calls can be answered by pressing .

- **Connect Beep**
This function set your phone to ring, vibrate or the backlight to flash, when the recipient answers your call.

Silent

In this option, settings are predefined for silent use (vibrate on, ringer and keypad tone off etc.). The settings can be adjusted in the same way as in **General**.

Meeting

In this option, settings are predefined for meeting environment (vibrate on, ringer off etc.). The settings can be adjusted in the same way as in **General**.

Outdoors

In this option, settings are predefined for outdoor situations (ringer volume high etc.). The settings can be adjusted in the same way as in **General**.

Handset

In this option, settings are predefined for use with the handsfree kit. The settings can be adjusted in the same way as in **General**.

Personal

Options are the same as in **General** and can be adjusted in the same way.

Caller Group

Activates/deactivates the Caller Group feature.

Edit Melody

This function allows you to compose up to 5 ring melodies of your own using the available musical notes stored in your phone memory.
Select an empty ring and the following screen will be displayed:

Composing a melody

- **To set the note length**
  Press the appropriate key (~) to add a note of a desired length (see table below).
- **To set the pitch of a note:**
  After adding a note of the correct length, press the same number key several times to move it up and down the scale.
- Press to move the cursor between notes.
- Press to delete the note to the right of the cursor.

☞*The maximum duration of a melody is 24 seconds. No further note entry will be allowed once this limit is reached*

Keypad mapping

The table below illustrates how to enter musical notes of different length and symbols using their number keys:

Key	*Note length*	*Note symbol*	*Note symbol (inverted)*
1	1/16		
2 ABC	1/8		
3 DEF	3/16		
4 GHI	¼		
5 JKL	3/8		
6 MNO	½		
7 PQRS	¾		
8 TUV	1		
9 WXYZ	Eighth rest		NA
0 +	Half rest		NA
*	Flat		
#	Sharp		

Settings

When you finish the score of a melody, press ⊙ or ⊙ to choose from the following:

- **Play**
  Play the melody you just composed.
- **Save Tone**
  Save the melody as a **Ring Type** option in **Profiles**.
- **Edit**
  Edit the melody.
- **Rename**
  Change the name of the melody. You must save the melody before you change its name.
- **Timebeat**
  Adjust the time beat to the rhythm you want. You must save the melody before you change its time beat.
- **Delete**
  Delete the melody.
- **Send Melody**
  You can send the melody to someone in the same way as you send a text message. You must save the melody before you can send it.

Tools

Personalisation Services for your Motorola Talkabout 191

Update your Motorola Talkabout 191 with latest and greatest ringertones and animated screensavers, by visiting the new Motorola entertainment service at http://www.motorolafun.com or it's WAP site at http://wapmotorolafun.com. It may be just what you've been looking for...! (Services may be country dependent)

ScreenSaver

This function allows you to download up to 3 screensaver animations from a screensaver website.

☞ *You need to subscribe to WAP services before you can download animations.*

Download

☞*You can also download animations by selecting* ***ScreenSaver*** *in the* ***Phone Setting*** *menu.*

- If you enter this option for the first time, you will see a list of 3 empty screensaver entries. Select one from the list and press (**SEL**) or . Your phone will initiate a WAP session and take you directly to the preassigned Motorola® screensaver website. Then you can download the animation you want from the site.
- After the downloading is successful, the screen returns to the animation list, and you will see the name of the animation displayed in the entry you selected. This means that the animation has been stored in this entry. You can then select this new animation from the list and decide what to do with the animation:

– **Play**: Show the animation.
– **Delete**: Delete the animation.
– **Screensaver**: Activate the animation as the standby screensaver. You can also do this in the **Phone Settings** menu.

Setup

This option allows you to change the pre-stored web address (URL), so you can download animations from another website. When this option is first selected, the pre-stored animation URL is provided. Then you can reset this URL. When done, press (**OK**) or to save it as the default URL for a new screensaver website.

SIM Menu

Your service provider provides this feature. Depending on your SIM card and the services provided, there will be several extra options under this option. However, if your service provider does not offer these services, this item will not be displayed on the screen. For details, please contact your provider.

Access Internet

For details on how to navigate the Internet, please see **The Mobile Internet**. You can also access the Internet via the Quick Access menu by pressing in standby mode. Quick Access default menu may vary from market to market.

Games

Snake

Make the snake grow longer by feeding it with as many goodies as possible.

Use 2ABC (up), 8TUV (down), 6MNO (right) and 4GHI (left), or ⊙ (▼ clockwise / ▲ anticlockwise) to direct the snake to a goody. The longer the snake, the higher the score. You are not allowed to stop the snake or make it go backwards. When the snake hits its own tail or eggs, or the surrounding frame, a game is over. Then the screen will show your score.

When you select this game, you will see the following options:

- **Continue**
  Resume a paused game. This item appears only when a game has been temporarily halted.
- **New Game**
  Start a new game. If you want to halt the game before it is over, press ⏻.
  To resume a halted game, go to **Continue**.
- **Last View**
  Show the result of the last game you play.
- **Level**
  Set the difficulty level of the game.
- **Top Score**
  Show the highest ever score.
- **Instructions**
  Read the instructions for the game.

Tetris

Tetris is a deceptively simple, completely addictive electronic puzzle game. The object of the game is to position the falling shapes, called "Tetraminoes," across the bottom of a rectangular pit. Tetraminoes are shapes created from 4 blocks joined together into 7 different patterns. The Tetraminoes must be rotated as they fall and positioned across the bottom leaving no open spaces. When an entire horizontal line fills with blocks, the line clears from the screen. If lines are not completely filled with blocks, they will not clear from the screen, and the Tetraminoes will continue to stack up higher and higher. If the stack of Tetraminoes reaches the top, the game is over! Use the following keys to move a falling piece.

- or 5 JKL rotates a falling piece.
- , 2 ABC, and 8 TUV move a piece to the right or to the left.
- 6 MNO drops a piece down quickly

The menu options in this game are the same as those in Snake.

Numbers

Rearrange the numbers in the correct order shown below. Use 2 ABC (up), 8 TUV or 5 JKL (down), 6 MNO (right) and 4 GHI (left), or (up and down) to move the numbers. While playing, the screen will show the time and steps you take.

1	2	3
4	5	6
7	8	

The menu options in this game are exactly the same as those in **Snake** except that there is no **Top Score**.

Brick

In this game you have to use a bat and ball to break a set of bricks. When all the bricks have been broken, you go to a new level and break a new set of bricks.

- Start a game by pressing to hit the ball. The ball moves across the screen, changing direction as it hits the frame or the bricks. When the ball hits a brick, the brick disappears.
- Use 6 MNO (right) and 4 GHI (left) or to move the bat across the bottom of the screen. Long press these keys to move the bat continuously. When the ball reaches the bottom of the screen you must use the bat to hit it back towards the bricks.
- You can change the direction of the ball by hitting it at a particular angle.
- You have three credits for each game. If the ball goes past the bat, you lose a credit. The game ends if you lose all three credits.
- The more bricks you break, the more points you score.
- A falling object may appear when the ball hits the bricks. An icon at the bottom right of the screen will help you decide whether to catch or dodge the object.

– The skull warns you to dodge a deadly falling object. If the object hits your bat, you lose one credit.
– The key tells you to catch a falling object for direct access to the next level.
– **$** indicates a bonus for catching this object.

– The missile tells you that catching the object will make the ball bounce faster.

The menu options in this game are the same as those in **Snake**.

Five Stone

This is a two-player game. One player has black stones; the other has white stones. The two players take it in turns to move by placing a stone on the board. A player wins the game if there are 5 consecutive stones of his colour on the board in a horizontal, vertical or diagonal direction.

Before starting the game, decide which side plays first by choosing from the following **New Game** options:

- **Handset**
  Your handset plays first.
- **Player**
  You play first.

Use the following keys to play this game:

- Move the cursor using 2 ABC (up), 8 TUV (down), 6 MNO (right), 4 GHI (left), 1 (to upper left), 9 WXYZ (to bottom right), 7 PQRS (to bottom left) 3 DEF (to upper right).
- Press the left soft key or 5 JKL to place a stone; press the right soft key to undo one step.
- Press * to zoom in/out. Navigation key moves the zoomed-in chess board up/down.

The menu options in this game are exactly the same as those in Snake except there is no **Top Score**.

Box World

In this game the aim is to get rid of the boxes in as fewest moves as possible. This is done by pushing each box onto a fixed black object. When all boxes are on the black object, you proceed to the next level.

Use the following keys to play this game:

- Move the pusher using 2 ABC (up), 8 TUV (down), 6 MNO (right), 4 GHI (left), or navigation key (up and down).
- Press the right soft key to undo one move. Press the left soft key to start the game again.
- Press * to read the current status about this game, which includes:

– The number of moves in the current game.

– The fewest number of moves in any game.

The menu options in this game are the same as those in **Snake** except there is no **Top Score**.

Calendar

When you enter this function, a calendar will be displayed on the screen, and the current date will be highlighted. If you have not set the time and date yet, you can do so by using **Set Time & Date**. You can use * and # to jump to the last or next month, then press ⊙ to select the date.

When a date is selected press ◉ (**SEL**) or ◉ to enter the following options:

View Day

View the notes for the selected date. After you finish reading a note, you can press ◉ (**SEL**) or ◉ and choose to erase, edit, or forward a note to another date.

Make Note

Write the note and press ◉ (**OK**) or ◉ to confirm. You will be prompted to enter the date for this note. When finished, **Set Alarm?** will be displayed on the screen. If you need the alarm to act as a reminder for this item press ◉ (**OK**) or ◉ to set the alarm time. If an alarm is not required press ◉ (**QUIT**) to save the note.

Erase Notes

You can choose One By One and press ⊙ and ◉ (**SEL**) or ◉ to select and erase notes individually, or choose **All** to erase all notes.

View All

You can press ◉ (**SEL**) or ◉ to display the notes. When you have finished reading the note, you can press ◉ (**SEL**) or ◉ and choose to delete the note, edit the note or forward the note to another date.

Select Date

You can enter the date of the note you want to read. The screen will display the date selected. Press ◉ (**SEL**) or ◉ to display the note for that day.

Set Alarm

Set the alarm clock:

Daily

This option ensures that the alarm will go off at the same time every day, even if the handset is powered off. Use ⊙ to enter the hour, then press 0+ and enter the minute into the same way. You can also use the number keys to enter the time. Press ⊙ (**DEL**) to erase wrong numbers.

Once

Sets the alarm to go off only once.

Off

Turn off the alarm clock.

Calculator

This function allows you to perform simple calculations using the keypad on your phone. You can also use this function to convert currency values.

Using the calculator feature

In this option, a cursor will appear at the upper left of the screen. Follow the chart below to enter numbers and arithmetic symbols.

Key	*Number / Function*	*Key*	*Number / Function*
1	1	9 WXYZ	*9*
2 ABC	2	0+	*0*
3 DEF	3	*	+ - * /
4 GHI	4	#	. ( )
5 JKL	5	●	*Clear number / back to previous screen*
6 MNO	6	✆	*Display result*
7 PQRS	7	⊙	*Move the cursor*
8 TUV	8	✆	*Abort operation / exit calculator*

For example, to calculate the following formula:
123 x (456+34) / 4-2
Press 1 2ABC 3DEF * (3 times) # (twice) 4GHI 5JKL 6MNO * 3DEF 4GHI # (3 times) * (4 times) 4GHI * (twice) 2ABC.
Press and select **Equals** to display the result.

Converting currency values

1 When the calculator screen appears, press . Scroll to **Exchange Rate** and press (**SEL**) or . Choose **Local to Foreign** or **Foreign to Local** to set the exchange rate. If you set **Local to Foreign** as "2", for example, the rate in **Foreign to Local** will become "0.5" automatically, and vice versa.

2 When the rate is set, press (**OK**) or to return to the calculator screen. Enter the sum you want to convert and press . Then choose **To Local** or **To Foreign** to see the converted figure. According to the rate above, for example, if you enter "20" and choose **To Local**, the outcome will be 20*0.5=10. If you choose **To Foreign**, the outcome will be 20*2=40.

☞*To exit from the calculator or currency converter feature, press .*

Stopwatch

This function allows you to use your phone as a stopwatch. Press to start/stop the stopwatch. When the stopwatch is on, press to save one record at a time. The number of the record will be displayed. When the watch is stopped, use to check the records. The stopwatch can store up to 9 records. To reset, press . To exit, press .

Hour Reminder

When the hour reminder is on, the phone will beep once every hour.

Auto Time Zone

If you travel to a different time zone, your service provider will send you a message asking if you'd like to reset your handset to display the correct local time.

On

The time displayed on your handset will be reset automatically according to your provider's time zone reminder.

Confirm

You will be prompted for confirmation before the time display is reset.

Off

Your phone will continue to display the local time of your home country, ignoring the time zone reminder from your service provider.

Quick Access

This option allows you to customise the quick Access menu. Use this configuration to change menu items and create a quick Access menu of your own. Below is the configuration menu:

Option	***Functionality***
Internet	*Connect to the mobile Internet.*
ScreenSaver	*Download an animation from the Web.*
Add Entry to SIM	*Add new phone book entries to the SIM card memory.*
New Message	*Write a new message.*
Missed Calls	*View and send/save/delete last missed calls.*
Profiles	*Enable/Disable settings of a selected profile.*
Calendar	*Access the calendar function.*
Set Alarm	*Set the alarm function.*
SIM Menu	*Access the SIM tool kit menu supplied by your provider.*
Inbox	*Read messages stored in Inbox.*
Vibrate On/Off	*Set the vibration mode.*
Divert Call On/Off	*Activate/ cancel/check the Divert Voice function.*
Quick Messages	*Access the Quick Messages list to send a message.*
Ring Volume	*Adjust ring volume.*
Last Call Timer	*Display the duration of the last call.*
Outbox	*Access the outgoing SMS message list.*
Switch Line 1/2	*Switch between Line 1 and Line 2.*
Last Number Dialled	*Display and call/save/delete last dialled numbers.*
Last Call Cost	*Display the charge for the last dialled call.*
Last Calls Received	*Display and call/save/delete the numbers of last calls received.*
Find By Name	*Find a number by name in the phone book.*
Add Entry to Phone	*Add new phone book entries to the phone memory.*

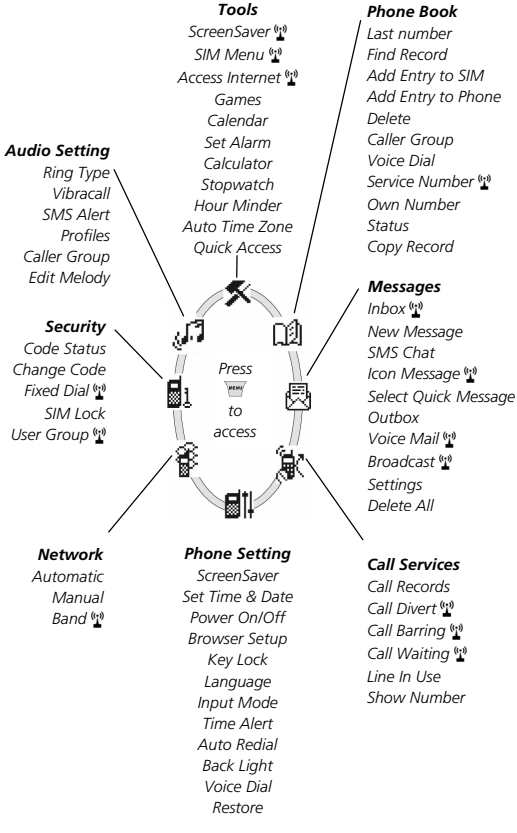
Option	*Functionality*
Voice Mail	*Dial the voice mailbox number directly.*
Phone Mute On/Off	*Mute and un-mute the microphone.*
Change Band	*Select the band to connect to.*
Calculator	*Use the calculator feature.*
Stopwatch	*Use the stopwatch feature.*
SMS Chat	*Access the SMS Chat menu.*
Games	*Access the Games menu.*

Customise the Quick Access menu

Scroll through the configuration menu and press (**SEL**) or or an appropriate number key to select an item. You'll be asked to designate a location in the Quick Access menu for the selected item. Enter a location number (1-9) and press (**OK**) or to confirm. **Settings Saved** will be displayed to confirm that the feature has been stored.

- *The Quick Access menu has nine options.*
- *Items that are already listed in the **Quick Access** menu will be marked by a location number.*
- *You can replace any of the nine **Quick Access** options with a different preset item listed in the configuration menu.*
- *A preset item can be assigned to more than one location in the **Quick Access** menu.*
- *You can press a corresponding number key to select any of the first 9 preset items in the configuration menu.*

Menu Structure Map



Care and Maintenance

Please note the following guidelines to ensure the optimum life and usage of your phone.

- Keep your mobile phone and all accessories out of the reach of small children.
- Keep your phone dry. Do not use at extreme temperatures. Temperatures above 55°C or below -20°C may cause damage to your phone.
- Do not use or store your phone in dusty or dirty areas.
- Do not disassemble the phone.
- Do not use harsh detergents to clean the phone.
- If your mobile phone or any accessory is not working properly, contact your dealer immediately.
- Use only genuine Motorola batteries, battery chargers and accessories to ensure proper phone function and battery life. Any malfunction or damage caused by the use of third-party accessories will void the product warranty.
- Keep battery contacts and the battery-charging socket away from direct contact with conductive objects which may cause a short circuit.

What to do if...

If you encounter any problems using your mobile phone, please refer to the following table. If the problem persists, please contact your dealer.

What to do if...	
You can't switch your phone on	*Check the battery. Is it charged, properly fitted and are the contacts clean and dry? See **Important Battery Information**.*
You can't make calls	*Check the signal strength meter in the display. If the signal is weak, move to an open space or, if you are in a building, move closer to a window.*
	Check your service provider's coverage map.
	Check the Call Barring and Call Diversion settings.
	Check the Network Settings. Try Manual Selection.
	Has a new SIM card been inserted? Check that no new restrictions have been imposed.
	*Has the call charge limit been reached? See **Cost Limit**.*
	You have enabled fixed dial function. Cancel fixed dial function.
The battery drains faster than normal	*Are you in an area of variable coverage? This uses extra battery power.*
	*Is it a new battery? A new battery will need two or three charge/discharge cycles to attain normal performance. See **Charging a New Battery**.*
	Is it an old battery? Battery performance will decline after several years use. Replace the battery.
	Are you using your phone in extreme temperatures? At extreme hot or cold temperatures, battery performance is significantly reduced.

What to do if...	
Your SIM Card doesn't work	*Is the card inserted the right way round? See **SIM Card Insertion / Removal**.*
	Is the gold chip visibly damaged or scratched? Return the card to your Service Provider.
	Check the SIM contacts. If they are dirty, clean them with an antistatic cloth.
You can't receive calls	*Check the signal strength meter in the display. If the signal is weak, move to an open space or, if you are in a building, move closer to a window.*
	Check the Call Diversion and Call Barring settings.
Your phone won't unlock	*Hove you inserted a SIM Card? Enter the new PIN Code. See **Pin code**.*
	Have you forgotten the Phone Code? The default Phone Code is 1234.
Your PIN is blocked	*Enter the PIN unblocking code (PUK number) supplied with your SIM card.*
The battery won't charge	*Check the charger. Is it properly connected? Are its contacts clean and dry? See **Your Battery**.*
	Check the battery temperature. If it is warm, let it cool before recharging.
	Is it an old battery? Battery performance will decline after several years use. Replace the battery.
	*Are you using Motorola original battery? Your charging system may not be able to communicate with your battery. See **Your Battery**.*
You are not able to use certain functions	*Some functions are network and subscription dependent. Contact your network service provider.*

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