Welcome

Headset Jack
Insert headset accessory for hands-free use.

Accessory Connector Port
Insert phone accessories.

Left Soft Key
Perform functions identified by left display prompt.

Power Key & End Key
Turn phone on and off, end phone calls, exit menu system.

Menu Key

Right Soft Key
Perform functions identified by right display prompt.

4-Way Navigation Key
Scroll through menus and lists, set feature values.

Send Key
Send and answer calls, view recent dialled calls list.

Charge Port and Indicator

MOTOROLA

V150
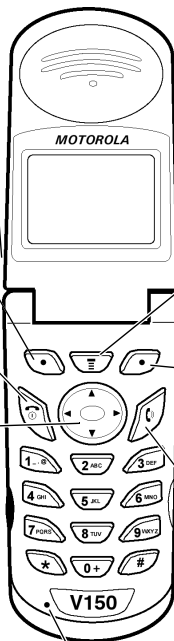
Microphone

Your phone may not appear exactly as the phone image above.

Note that all key locations, sequences and functions remain the same with any of the various covers.

While Products specifications and features may be subject to change without notice, we are making every possible effort to ensure that user manuals are updated on a regular basis to reflect product functionality revisions. However, in the unlikely event that your manual version does not fully reflect the core functionality of your product, please let us know. You may also be able to access up-to-date versions of our manuals in the consumer section of our Motorola web site, at www.hellomoto.com.

Menu Map

Main Menu

- **Voice Dial**
- **Recent Calls**
  - Received Calls
  - Dialled Calls
  - Notepad
  - Call Times
  - Data Times
  - Data Volumes
- **Media Centre**
  - Theme
  - My Tones
  - MotoMixer
  - Picture Viewer
- **Ring Styles**
  - Alert
  - *Alert* Detail
  - My Tones
- **Games**
- **WebAccess**
  - Web Browser
  - Web shortcuts
  - Stored Pages
  - History
  - Go to URL
  - Browser Setup
- **Browser ***
- **Office Tools**
  - Datebook
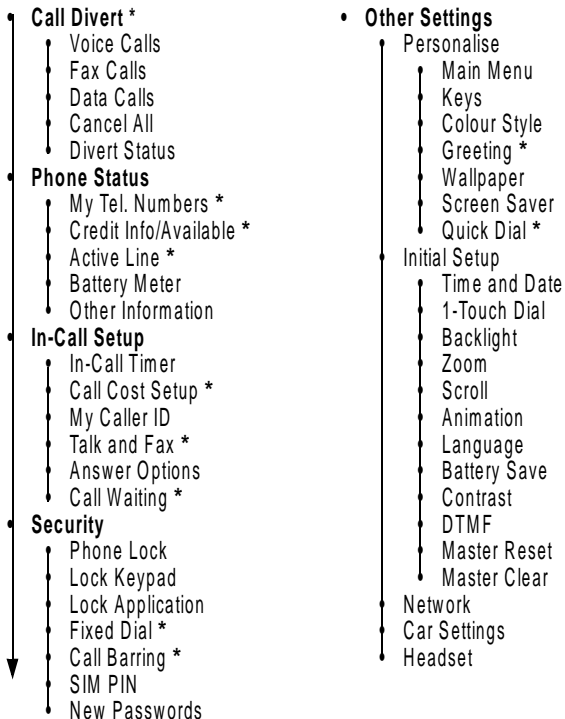 - Calculator
- **Settings**
  (see next page)

- **MyMenu**
- **More**
  (go to following menu items)
- **Download Options**
- **Chat ***
- **Phonebook**
- **Messages ***
  - New Message
  - Inbox
  - Outbox
  - Voicemail
  - Drafts
  - Quick Notes
  - Browser Msgs
  - Information Services
- **SIM Applications ***
- **Fixed Dial ***
- **Service Dial ***
- **Quick Dial ***
- **Web Sessions ***

*Note: Select **More** when it appears in the menu to see additional menu items.*

Note: This is the standard phone menu layout. Your service provider may change the layout, or feature names. For example, some features listed in the generic Main Menu shown on this page may appear under More in your phone and vice versa. To change the layout yourself, see page 84. Not all features may be available for all users.

* Optional network, SIM card, or subscription-dependent features

Settings Menu

- **Call Divert ***
  - Voice Calls
  - Fax Calls
  - Data Calls
  - Cancel All
  - Divert Status
- **Phone Status**
  - My Tel. Numbers *****
  - Credit Info/Available *****
  - Active Line *****
  - Battery Meter
  - Other Information
- **In-Call Setup**
  - In-Call Timer
  - Call Cost Setup *****
  - My Caller ID
  - Talk and Fax *****
  - Answer Options
  - Call Waiting *****
- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Fixed Dial *****
  - Call Barring *****
  - SIM PIN
  - New Passwords

- **Other Settings**
  - Personalise
    - Main Menu
    - Keys
    - Colour Style
    - Greeting *****
    - Wallpaper
    - Screen Saver
    - Quick Dial *****
  - Initial Setup
    - Time and Date
    - 1-Touch Dial
    - Backlight
    - Zoom
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
  - Car Settings
  - Headset

Note: Not all features may be available for all users.

* Optional network, SIM card, or subscription-dependent features

Shortcuts

Following are some useful shortcuts. To create your own MyMenu shortcuts, see page 86.

Task	Shortcut
Change display zoom	Press ▤, then press and hold ▤
Lock/unlock keypad	Press ▤ ⊛
Change ringer alert	Press ⊙ left (at lowest volume setting) to switch to vibrate alert, then silent alert. Press right to reset ring alert.
Display my phone number	Press ▤ ⊞ in idle (number must be stored on SIM card)
Go to dialled calls list	Press ⦿ in idle
Exit menu system	Press ⊚
Open phonebook	Press ⊙ down in idle
Create phonebook entry	Press ⊙ up in idle

Contents

Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorised antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimetres) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimetres) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antenna, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care

facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

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

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimetres) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimetres) from your pacemaker when the phone is turned ON.

- NOT carry the phone in the breast pocket.

- Use the ear opposite the pacemaker to minimise the potential for interference.

- Turn OFF the phone 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 GP may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

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

Operational Warnings

For Vehicles With an Air Bag

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

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas and certified as "Intrinsically Safe." 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.

Note: 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. 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 phone when you are near electrical blasting caps, in a blasting area, or in areas posted "Turn off electronic devices." Obey all signs and instructions.

Batteries

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, bag, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
⚠	Important safety information will follow.
⊛	Your battery or phone should not be disposed of in a fire.
♻	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
⊠	Your battery or phone should not be thrown in the trash.
⊖ LiIon BATT ⊕	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking lights, such as when watching television

or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate blinking lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a blinking-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

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

IMEI: 350034/40/394721/9

$C\epsilon0168$

Type: MC2-41H14

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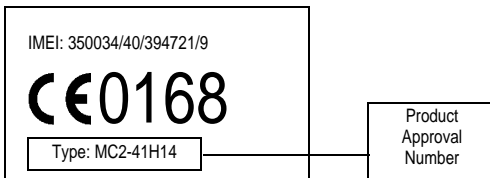
The above gives an example of a typical Product Approval Number.

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

Getting Started

What's in the Box?

Your digital wireless phone typically comes equipped with a battery and a charger. Other accessory options can customise your phone for maximum performance and portability.

To purchase Motorola Original™ accessories, please contact Motorola as per the enclosed User Information publication.

About This Guide

Optional Features

Features marked with this label are optional network, SIM card, and/or subscription-dependent features. These features may not be offered by all service providers in all geographical areas. Contact your service provider for information about availability.

Optional Accessories

Features marked with this label require the use of an optional Motorola Original™ accessory.

Your Battery

Charging a New Battery

New batteries are supplied in a totally uncharged state.

To ensure maximum battery performance, a new battery (or battery that has not been used for several months) should be charged for at least 14 hours before use.

Notes:

- *A new battery will require several full charge/discharge cycles in order to achieve its optimum performance.*

- *A new battery, or a battery that has not been used for several months, may cause a premature fully charged indication. Ignore this indication and let the battery charge for several more hours, remove and re-insert the battery into the charger, and charge for an additional 14 hours.*

Removing Your Battery

Caution: Switch off your phone before removing the battery. Failure to do so may damage your phone memory.

1 Press the release catch on the battery compartment and lift off the cover.

2 Push the battery towards the top of the phone and lift the battery out from the bottom end.
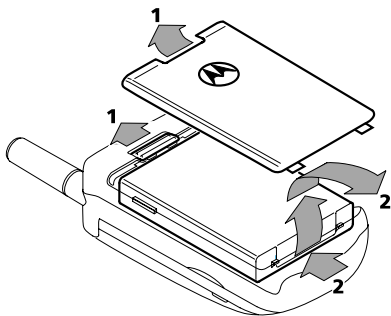
Fitting Your Battery

1 Remove the battery compartment cover.

2 Align the connections on the battery with the connections on the phone.

3 Press the battery towards the connections and push it downwards until it clicks into place. Replace the cover.
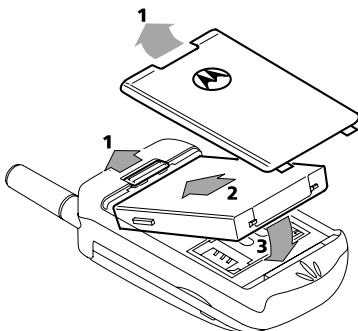
Battery Use

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximise your battery's performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.

- New batteries or batteries that have been stored for long periods of time may require a longer initial charge time.

- Maintain the battery at or near room temperature when charging.

- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.

- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.

- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.

The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling centre for proper disposal methods. Never dispose of batteries in a fire because they may explode.

Your SIM Card

Your SIM (Subscriber Identity Module) card was supplied by your Cellular Service Provider when you bought your phone. You will not be able to make or receive calls if you do not have a SIM card inserted in your phone.

Note: *Some networks allow you to make emergency calls without a SIM card inserted.*

The SIM card is a 'Smart Card' that contains your phone number, service details and memory for storing Phone Book numbers and messages. You can therefore use your SIM card in someone else's GSM phone and you will be charged for the call.

Like a bank or credit card, you should keep your SIM card secure. Do not bend or scratch your card and avoid exposure to static electricity or water.

Caution: Switch off your phone before inserting or removing the SIM card. Failure to do so may damage the memory on your SIM card.

SIM Card Insertion/Removal

1   Switch off your phone by pressing and holding the 🔘 key, remove the battery cover and the battery.

2   Slide the SIM holder towards the right and lift up the left side of the holder.

3   Remove the SIM card from the holder if necessary.

4   Insert the SIM card into the holder as shown. The SIM card should be inserted with the notch at the top and facing towards the base of the phone.
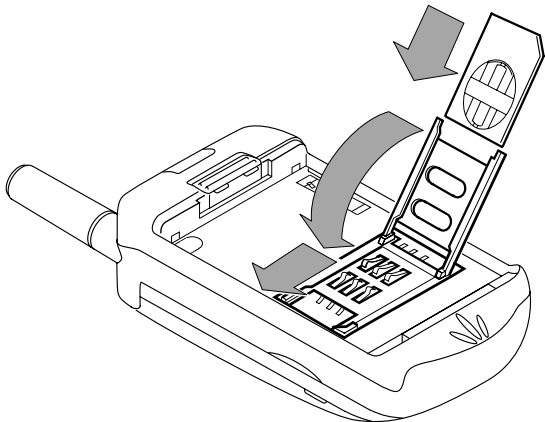
5 Replace the holder and press and slide it to the left to lock it into place.

6 Replace the battery and battery cover.

If the SIM card is inserted the wrong way round, or damaged, the Check Card message may be displayed. Remove the SIM card, check that it is the right way round and then re-insert it into the phone.

If either of the Bad Card See Supplier or Blocked See Supplier messages are displayed, then you will need to contact your Cellular Service Provider.

Switching the Phone On and Off

To switch the phone on or off, press and hold the ⊚ key. If VibraCall™ is selected, the phone will vibrate when it is switched on.

If you switch the phone on and there is no SIM card inserted, you will be asked to insert one. Once inserted, the phone will check that the SIM card is valid.

A number of messages will then be displayed:

- **Enter PIN** - a request to enter the SIM card PIN code (if required).

- **Enter Phone Unlock Code** - a request to enter the phone unlock code (if required).

- **Searching...** followed by a network name - as the phone searches and then finds a suitable network to connect to.

Once switched on and connected, the phone stays in idle mode.

Making and Receiving Phone Calls

This section summarises the most basic calling features. For more features, see page 45.

Making a Call

To call a number, your phone must:

- be turned on and unlocked

- have a SIM card inserted and unlocked

- have a network connection with adequate signal strength

Do This

1 Enter the number with the keypad keys (up to 40 digits).

Note: If you make a mistake, press
DELETE *(⬠) to delete the last digit, or press and hold*
DELETE *(⬠) to clear all digits.*

2 Press *(◌)* (send key) to make the call.

3 Press *(◌)* (end key) or close flip when the call is done.

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted. See page 47.

Answering a Call

To answer a call, your phone must:

- be turned on and unlocked
- have a SIM card inserted and unlocked
- have a network connection with adequate signal strength

When you receive a call, your phone rings and/or vibrates.

Do This

1	Press ⓞ or **ANSWER** (ⓤ) or open flip.
2	Press ⓢ (end key) or close flip when the call is done.

Tip: When the phone flip is active, simply open the phone to answer the call. (To activate, press ⓔ > **Settings** > **In-Call Setup** > **Answer Options** > **Open To Answer**)

Changing the Call Alert

- Press ⟨⁚⟩ left to switch the alert for incoming calls and other events to vibrate, then silent.
- Press ⟨⁚⟩ right to reset your phone to ring alert.

Viewing Your Phone Number

To view your phone number from the idle display, press ⓔ ⌗.

While you are on a call, press ⓔ > **My Tel. Numbers**.

Note: Your phone number must be stored on your SIM card to use this feature. If you do not know your phone number, contact your service provider.
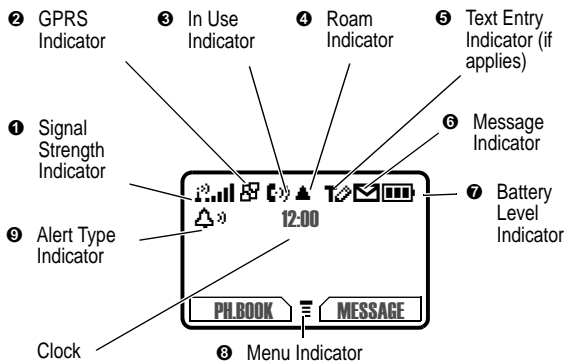
Using Your Phone

See page 1 for a diagram of basic phone components.

Using the Display

The top section of the display shows phone status indicators. The following illustration shows some of the common indicators that you may see at the top of the display when using your phone.

Messages, phone numbers, and menu options appear in the middle of the display. Text labels at the bottom corners of the display show the current soft key functions. A ≣ (menu) indicator in the bottom centre of the display indicates that you can open the main menu or a feature sub-menu to see more options. For more information about the soft key and menu key labels, see page 27.

Some of the phone functions described in this guide must be performed from the idle display. The term *idle display* refers to the standard display that you see when your phone is on and ready to use, when you are *not* on a call or using the menu system.

- ❷ GPRS Indicator
- ❸ In Use Indicator
- ❹ Roam Indicator
- ❺ Text Entry Indicator (if applies)
- ❶ Signal Strength Indicator
- ❻ Message Indicator
- ❼ Battery Level Indicator
- ❾ Alert Type Indicator
- Clock
- ❽ Menu Indicator

❶ **Signal Strength Indicator** Shows the strength of your phone's connection with the network.

Strong	ፆ.ıl	ፆ.ıl	ፆ.ı	ፆ.	ፆ	ፆ	No signal
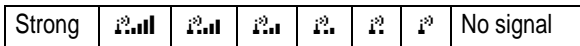
You cannot make or answer calls when the "no signal" indicator is displayed.

❷ **GPRS Indicator** Indicates that your phone is using a high-speed GPRS network connection (𝔅). GPRS allows faster data transfer speeds. The indicator does not mean that you are in a call; only that you are registered on the network via a GPRS connection.

Other indicators can include:

        ⌷ = GPRS PDP   ⌗ = GPRS packet data
             context active   available

❸ **In Use Indicator** Indicates when a call is in progress, and when you have a secure (℗) or unsecure (℗) connection.

❹ **Roam Indicator** Appears when your phone uses another network system outside your home network. When you leave your home network area, your phone *roams* or seeks another network. Icons here can also indicate your text entry mode (alpha, numeric, symbol, etc.)

❺ **Text Entry Indicator** Indicates your Text Entry Method whenever you are in a text editor (Tap, iTap, etc.). See page 30.

❻ **Message Indicator** Indicates when you have an active Chat session, or when you have a new voice or text message waiting.

❼ **Battery Level Indicator** Shows the amount of charge left in your battery. The more bars visible, the greater the charge.

High   ▥   ▥   ▭   ▭   Low

Recharge your battery when you see the **Low Battery** warning message and hear the low battery alert.

❽ **Menu Indicator** Indicates that you can press 🗐 to open a menu. See page 27.

❾ **Alert Type Indicator** Shows the current selected alert profile. The default alert setting is loud ring.

       △❩ = loud ring   △⑴ = soft ring

       ▒ⅾ▒ = vibrate   ▒▸△ = vibrate and ring

       △ᶻᶻ = silent

Using the Menu

You can access many of your phone's features by using these keys to move through the menu system:

Menu Key
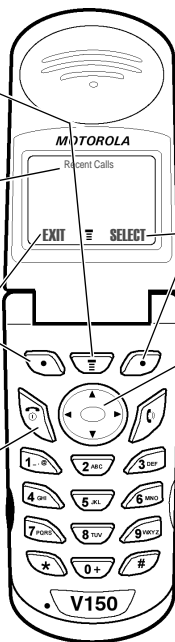Enter menu system, or open a sub-menu, when ≡ appears in bottom centre of display.

Current selection.

Right Soft Key
Perform function shown in lower right corner of display (usually **SELECT** the highlighted menu item).

Left Soft Key
Perform function shown in lower left corner of display (usually **EXIT** or **BACK**).

4-Way Navigation Key
Scroll **up** or **down** through menus and lists. Scroll **left** or **right** to cycle through and set value of highlighted menu item. From idle display, press **up**, **down**, **left**, or **right** to select menu feature icon.

End Key
Exit menu system without making changes, return to idle display.

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Recent Calls

EXIT ≡ SELECT

V150

From the idle display, press ≡ to enter the main menu. Press ⊙ to scroll through menu features in the main menu.

Navigating to a Feature

This guide shows how to navigate to a menu feature as follows:

Find the Feature   ▣ > Recent Calls
   > Dialled Calls

The > symbol means that you should scroll to and select the feature. This example shows that you should press ▣, scroll to and select Recent Calls, then scroll to and select Dialled Calls to see the dialled calls list.

Selecting a Feature

Some features require you to select an item from a list:

Press **BACK** (◌) to go back to the previous screen.

A sub-menu is available. Press ▣ to open the sub-menu.

Dialled Calls
10) John Smith
9) Mary Smith

BACK   ▣   VIEW
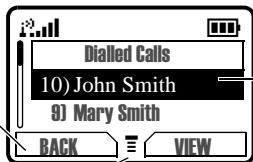
Highlighted item

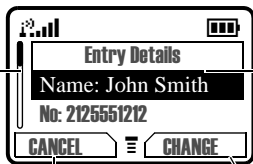Press **VIEW** (◌) to view details of the highlighted item.

Select an item by highlighting it using one of these approaches:

- Press ⊕ to scroll up or down to the item you want.

- In a numbered list, press a number key to highlight the item.

- In an alphabetised list, press a key multiple times to cycle through the letters on the key and highlight the closest matching list item.

Entering Feature Information

Features such as the phonebook and datebook require you to enter information to fill in an entry's details:

Press $\left(\begin{smallmatrix}\bullet\\\bullet\end{smallmatrix}\right)$ to scroll down to additional items.

Entry Details

Name: John Smith

No: 2125551212

CANCEL ≣ CHANGE

Highlighted item

Press **CANCEL** (⬩) to exit without making changes. **DONE** (⬩) appears when you enter or edit information. Press **DONE** (⬩) to save your changes.

Press **CHANGE** (⬩) to edit the selected information.

- Enter numbers or text with the keypad.

- When an item has a list of possible values, press ⬛ to scroll left or ⬛ to scroll right, and select a value.

- When an item has a list of possible numeric values, press a number key to set the value.

- If you enter or edit information and then decide that you do not want to save your changes, press 🔘 to exit without saving.

The message centre lets you compose and send text messages. A *flashing cursor* shows where the text will appear:

Flashing cursor indicates insertion point.
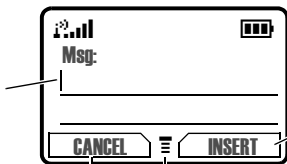
Press **INSERT** (🔘) to view and insert a name, number, or message from previously stored information.

Press **CANCEL** (🔘) to exit without making changes.

Press 🗐 to open the sub-menu.

When you enter text, the flashing cursor changes to a *block cursor*, and the soft key functions change

Block cursor indicates current highlighted character.

After two seconds, the block cursor reverts to a flashing cursor and moves to the next position.
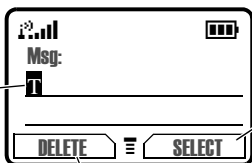
Press **SELECT** (🔘) to accept and store the text.

Press **DELETE** (🔘) to delete the character to the left of the insertion point.

Entering Text

Various text entry methods make it easy for you to enter names, numbers, and text messages on your phone.

Choosing a Text Mode

To activate a text mode, press ⓔ > **Entry Method** from any text entry screen and select the text mode:

iTAP	Let the phone predict each word as you enter it, then choose the word from a list (see page 35).
Tap Method	Enter characters one at a time by pressing the key for the letter, number, or symbol (see below). This is the standard mode for entering text on your phone.
Numeric	Enter numbers only.
Symbol	Enter symbols only (see page 34).
Browse	Browse through your phonebook and recent calls lists to select a name or number to enter.

Note: The text mode you select remains active until you change it by selecting another mode.

Using Tap Method

Tap method is the default standard mode for entering text on your phone.

To activate tap method from any text entry screen, press ⓔ and select the **Tap Method** menu option.

To enter text using the tap method:

Do This	**To**
1 Press a number key one or more times	cycle through the characters associated with the key and select the character you want (see page 34).

	Do This	To
2	Continue to press number keys	enter the rest of the characters in the text message.
3	Press OK (Ⓖ)	accept and store the text when you are finished.

Character Chart

Use this chart as a guide for entering spaces, numbers, letters, symbols, and other characters with the **Tap Method** text mode. Press the same key repeatedly to cycle through available characters.

①.。	*space* . 1 ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
②ABC	a b c 2 ä å á à â ã α ά β ç
③DEF	d e f 3 δ ë é è ê ε έ φ
④GHI	g h i 4 ï í î γ η ή ι í
⑤JKL	j k l 5 κ λ
⑥MNO	m n o 6 ñ ö ø ó ò ô õ μ ν ω ώ
⑦PQRS	p q r s 7 π ß σ
⑧TUV	t u v 8 θ ü ú ù û τ
⑨WXYZ	w x y z 9 ξ ψ
⓪+	+ - 0 x * / \ [ ] = > < # §

Note: Your phone model may not include all of the characters shown in this chart.

General Text Entry Rules

Press a number key as many times as necessary to enter the desired character at flashing cursor location.

MOTOROLA

MSG:

CANCEL   INSERT

Press **up** or **down** to change letter in block cursor to uppercase or lowercase.

Press and hold a number key to cycle between text entry modes.

Press **left** or **right** to move flashing cursor to the left or right in text message.

V150

- If you do not press a key for two seconds, the character in the block cursor is accepted, and the cursor moves to the next position.

- The first character of each sentence is capitalised unless you manually change it. (Press ⊙ up or down to change the character to upper or lower case while it is highlighted.)

Use Symbol Mode

Your phone provides an alternative way to find and enter symbol characters in a text message. You can view and select from a variety of available symbols.

To activate symbol mode from any text entry screen, press ▤ and select the **Symbol** menu option.

To enter a symbol in symbol mode:

|	**Do This**	**To**
1	Press a number key one time	display its symbol options (See page 35.)
		The symbols associated with the key you pressed are shown at the bottom of the display. If necessary, press other keypad keys to find the symbol you want.
2	Scroll left or right with ⬚⬚ or ⊹	highlight the symbol you want
	or	
	Press the number key multiple times	
3	Press **SELECT** (⬚)	add the highlighted symbol to the text area at the top of the display

Symbol Chart

Use this chart as a guide for entering symbols in symbol mode.

1.®	*space* . ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
2 ABC	@ _ \
3 DEF	/ : ;
4 GHI	" & '
5 JKL	( ) [ ] { }
6 MNO	¿ ¡ ~
7 PQRS	< > =
8 TUV	$ £ ¥ ¤ €
9 WXYZ	# % *
0+	+ - x * / = > < # §

Use iTAP™ Software Predictive Text Entry

iTAP™ software provides a predictive text entry method that lets you enter the letters of a word using only one keypress per letter.

You must activate iTAP software prior to entering letters. You can do this from any text entry screen by pressing 🗐 to open the **Entry Method** menu and selecting the **iTAP** menu option.

Enter Words

	Do This	**To**
1	Press a number key one time	enter the first letter of the word
		The letters associated with the key you pressed are shown at the bottom of the display.
2	Press number keys (one per letter)	enter the rest of the word
		Alternative words and letter combinations are shown at the bottom of the display based on the keys you press. These word choices are updated with each keypress.
3	When you have entered all the letters of the word, press ⊙ right or left	locate and highlight the word you want
4	Press **SELECT** (⊙)	add the highlighted word to the text area at the top of the display
		A space is automatically inserted after the word.

For example, to spell "art," press (2_{ABC}) (7_{PQRS}) (8_{TUV}). The display shows:

Flashing cursor indicates insertion point.
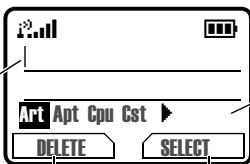
Press $(\updownarrow)$ to scroll and see additional word choices.

Art Apt Cpu Cst ▶

DELETE | SELECT

Press **DELETE** (⊡) to clear the last letter entered.

Press **SELECT** (⊡) to insert the highlighted word.

Enter Novel Words

You may enter a word that the iTAP software does not recognise. If the word is not displayed:

	Do This	**To**
1	Press **DELETE** (⊡) one or more times	delete letters until you see a letter combination that matches the start of the word
2	Press $(\updownarrow)$	highlight the letter or letter combination
3	Press **SELECT** (⊡), then press $(\updownarrow)$ to the left	shift the text entry cursor to the left and "lock" the selected word portion
4	Continue to enter letters and highlight letter combinations	spell the word

Your phone stores the unrecognised word, and includes it in the list of alternative word choices the next time you enter it. When memory space for storing unrecognised words is filled, your phone deletes the oldest words as new words are added.

Enter Punctuation

Press	To
① or ⓪	enter punctuation or other characters as shown on page 32

Use Capitalisation

The first word of a sentence is automatically capitalised, with following words in lowercase.

Press	To
⊙ up or down	change the words to initial character capitalised, all uppercase characters, or all lowercase characters

Enter Numbers

	Do This	To
1	Enter the first digit and then highlight it	put the iTAP software in number entry mode
2	Press number keys	add digits to the number
3	Press SELECT (⊡)	enter the number at the flashing cursor location

Delete Letters and Words

Place the cursor to the right of the text you want to delete, and then do the following:

Do This	To
Press **DELETE** (⊡)	delete one letter at a time
Hold **DELETE** (⊡)	delete the entire message

Changing the Zoom Setting

You can set your phone's display to show either three lines or two lines of text plus soft key labels. Three lines of text display more information, while two lines increase text size.

To change the display view, press 🗐 once, then press and hold 🗐 again within two seconds of the first press.

Setting Up Your Phone

Setting the Time and Date

You must set the time and date to use the datebook.

Find the Feature   🗐 > **Settings** > **Other Settings**
                              > **Initial Setup** > **Time and Date**

Note: When you remove the phone battery, the stored time and date is displayed the next time you turn the phone on. You may need to reset the time and date, depending on how long the phone is without power.

Changing Personal Greetings

To change the text displayed when you turn on your phone:

Find the Feature   ≡ > **Settings** > **Other Settings**
                              > **Personalise** > **Greeting**

Choosing Alert and Ring Tones

Your phone rings or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. You can select one of five different alert profiles:

♪	Loud ring	♪	Soft ring
░	Vibrate	░♪	Vibrate and ring
♪	Silent		

The alert setting indicator in your display shows the current alert profile (see illustration on page 25).

Each alert profile contains settings for ring tone and keypad volume. It also includes alert tone settings for different events: incoming calls, text messages, voicemail messages, data calls, alarms, and reminders. You can modify the settings in each profile.

Note: To create your own alert tones, see page 122. To download sounds to use as your alert tones, see page 115.

Select an Alert Profile

Find the Feature   ≡ > **Ring Styles** > **Alert**

Press	To
1 ⊙	scroll to the alert profile you want to use
2 **SELECT** (⊙)	select the alert profile
	The phone displays the **Changed: Alert** message.

Customise an Alert Profile

You can customise a profile by changing the alerts used for specific events (such as incoming calls, text messages, etc.). Your phone includes a variety of preset alert tones and vibrations. Any changes you make are saved to the current alert profile.

Note: This feature also lets you set the profile's ring tone volume and keypad volume.

Find the Feature   ≡ > Ring Styles > *Alert* Detail

Press		To
1	⊕	scroll to the event for which you want to set a new alert
2	CHANGE (□)	select the event
		The phone displays the list of available alerts.
3	⊕	scroll to the alert you want for the event
4	SELECT (□)	select the alert

Setting Your Backlight

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power:

Find the Feature   ≡ > Settings > Other Settings
                    > Initial Setup > Backlight

Setting Answer Options

You can use any of several different methods to answer incoming calls.

Find the Feature   ≡ > Settings > In-Call Setup
                    > Answer Options

Turn the following call answering options on or off:

Multi-Key	answer by pressing any key
Open To Answer	answer by opening the flip

Setting Your Contrast

You can set the amount of contrast in your display:

Find the Feature   ≣ > Settings > Other Settings
                             > Initial Setup > Contrast

Setting Your Display Colour

You can select the colour palette that your phone uses to display indicators, highlights, and soft key labels:

Find the Feature   ≣ > Settings > Other Settings
                             > Personalise > Colour Style

Setting Your Display Scrolling

You can set the cursor to stop or wrap around when it reaches the top or bottom of a list in the display:

Find the Feature   ≣ > Settings > Other Settings
                             > Initial Setup > Scroll

Setting Display Animation

You can turn animation off (to conserve the battery) or on. Animation makes your phone's menus move smoothly as you scroll up and down.

Find the Feature   ≣ > Settings > Other Settings
                             > Initial Setup > Animation

Setting Battery Save

To adjust the phone's power usage to conserve power

Find the Feature   ≡ > Settings > Other Settings
                    > Initial Setup > Battery Save

Setting Wallpaper and Screen Saver

You can use the picture viewer to select a wallpaper or screen saver image (see page 117). You can also download new pictures and animations to use as your wallpaper or screen saver images (see page 115).

Resetting All Options

To reset all options back to their factory settings except for the unlock code, security code, and lifetime timer:

Find the Feature   ≡ > Settings > Other Settings
                    > Initial Setup > Master Reset

Clearing All Information

To reset all options back to their factory settings *and* clear all user entries (such as Phonebook entries and downloaded wallpapers, screen savers, and sounds):

Warning: This option erases all user-entered information stored in your phone's memory, including phonebook and datebook entries and downloaded files. Once you erase the information, it cannot be recovered. It resets all options back to their factory settings except for the unlock code, security code, and lifetime timer.

Find the Feature   ≡ > Settings > Other Settings
                    > Initial Setup > Master Clear

Setting Up Your Phone for Hands-Free Use

A phone headset lets you use your phone without using your hands.

You can also purchase an optional Motorola Original™ Easy-Install Hands-Free Kit for your car. This accessory provides an alternative way for you to use your phone without holding your handset.

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Automatic Answer

When you activate automatic answer and connect your phone to the Easy-Install Hands-Free Kit or phone headset, your phone automatically answers calls after two rings.

Find the Feature   ⊟ > **Settings** > **Other Settings**
                                                > **Car Settings** or **Headset**
                                                > **Auto Answer**

Automatic Hands-Free

You can set up your phone to automatically route calls to the Easy-Install Hands-Free Kit when it detects a connection.

Find the Feature   ⊟ > **Settings** > **Other Settings**
                                                > **Car Settings**
                                                > **Auto Handsfree**

Calling Features

This chapter describes features related to making and answering calls. For information about other call-related features, see page 48 and page 94. For basic instructions on how to make and answer calls, see page 22.

Displaying Your Phone Number

From the idle display:

Press	To
🗐 ⌗	see your phone number
	Your phone number must be programmed on your SIM card in order to use this feature.

While you are on a call:

Do This	To
Press 🗐 > My Tel. Numbers	see your phone number

Redialling a Number

You can redial a previously dialled phone number, whether the call was connected or busy. From the idle display:

Press	To
1 🔘	go directly to the dialled calls list
2 ⊕	scroll to the entry you want to call

Press	To
3 ◎	redial the highlighted number

Using Caller ID

The *calling line identification* (caller ID) feature lets you see who is calling before you answer.

Note: The 'Open To Answer' feature must be turned off to enable this feature.

- If the caller's name is stored in your phonebook, the phone automatically displays the **Name** (or **Icon ID** and a distinctive **Ringer ID**, when one is assigned). Otherwise, the phone displays the caller's phone number. To create or change a phonebook entry, see page 73.

- If caller ID information is not available, your phone displays the message **Incoming Call**.

- **Outgoing Calls:** Other phones can display your phone number when you call them or send a message. To hide your number for the next call or message, press 〖〗 > **Settings** > **In-Call Setup** > **My Caller ID** > **Next Call Only**.

Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
IGNORE (〇)	cancel the incoming call

Depending on your phone settings and the type of subscription you have, the call may be diverted to another number, or the caller may hear a busy signal.

Note: The 'Open To Answer' feature must be turned off to enable this feature.

Dialling an Emergency Number

Your service provider programs one or more emergency phone numbers (such as 999) that you can call under any circumstances. You can dial and call the emergency number even when your phone is locked, when you are prompted to enter a code or password, when the SIM card is not inserted in your phone, or when the SIM card is blocked or disabled.

Note: Emergency numbers vary by country. Your phone's emergency number(s) may not work in all locations.

To call the emergency number at any time:

Press		**To**
1	keypad keys	dial the emergency number
2	📞	call the emergency number

Dialling International Numbers

To dial the local international access code:

Do This	To
Press ⓪ for two seconds	insert the international access code for the country from which you are dialling

Inserting Special Characters into Dialling Sequences

In addition to pressing numbers on your keypad, you can insert special characters in a phone number.

While dialling (with digits visible in the display), you can press 🗐 and insert one of the following:

Option	Description
Insert Pause (inserts a **p**)	Your phone waits until the call connects before it dials the next digit(s) in the series
Insert Wait (inserts a **w**)	Your phone waits until the call connects, then prompts you for confirmation before it dials the next digit(s)
Insert 'n' (inserts an **n**)	Your phone prompts you for a number before dialling the call. The number you enter is inserted into the dialling sequence in place of the **n**

Note: You can insert characters in Phonebook entries.

Viewing the Received Calls or Dialled Calls List

Your phone keeps lists of the numbers from calls you recently received and dialled, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new ones are added. Each entry tells you the person's number (or name, if available) and whether the call connected or not. You can call, store, or delete the numbers on these lists.

Shortcut: Press 🔘 to go directly to the dialled calls list from the idle display.

To open the recent calls menu:

Find the Feature   🗐 > **Recent Calls**

Press		To
1	$\left(\begin{smallmatrix} \cdot \\ \cdot \end{smallmatrix}\right)$	scroll to **Received Calls** or **Dialled Calls**
2	**SELECT** ($\boxdot$)	select **Received Calls** or **Dialled Calls**
3	$\left(\begin{smallmatrix} \cdot \\ \cdot \end{smallmatrix}\right)$	scroll to an entry you want to call, store, or delete
		Note: √ *means the call connected.*
4	$\boxed{\circ}$	call the entry's number
		Note: Press and hold $\boxed{\circ}$ *for two seconds to send the entry number as DTMF tones. To activate DTMF tones, see page 91.*
	or	
	$\boxdot$	if **View** appears above the $\boxdot$ key—view the entry's details
		if **Store** appears above the $\boxdot$ key—store the entry's details in the phonebook
	or	
	$\boxed{\boxminus}$	open the **Last Calls Menu** to perform other procedures as described in the following list

The Last Calls Menu can include the following options:

Option	Description
Store	Create a phonebook entry with the selected number in the No. field. (This option does not appear if STORE appears above the ⊙ key, or if the number is already stored as a phonebook entry.)
Delete	Delete the entry. (This option does not appear if DELETE appears above the ⊙ key.)
Delete All	Delete all entries in the current list.
Hide ID/Show ID	Hide (or show) your caller ID for the next call.
Send Message	Create a new text message, with the selected number in the Tel No. field. See page 64.
Add Digits	Add digits to the end of the selected number.
Attach Number	Attach another number from the phonebook or recent calls list to the end of the selected number.
Send Tones	Send the selected number to the network as DTMF tones, for credit card calling or password entry. (This option is available only during an active call.) To activate DTMF tones, see page 91.

Option	Description
Talk then Fax	Tell the network you want to call and talk to someone, and then send a fax—all to the same number in the same call. See page 94.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls. When you cannot answer a call, your phone displays:

- the $\overline{\mathbb{C}}$ (missed call) indicator

- the message *X* **Missed Calls**, where *X* is the total number of missed calls

Press	To
1 **VIEW** ($\cdot$)	see the received calls list, beginning with the most recent call
2 $\odot$	scroll through the list and select a call that you want to return
3 $\mathbb{C}$	make the call

Entering Numbers in the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the *notepad*. These digits can be the last phone number that you called, or a phone number that you simply entered but did not call. These digits remain in the notepad even when you turn off the phone.

To call the number, create a phonebook entry, or perform other operations with the number stored in the notepad:

Find the Feature $\qquad$ $\mathbb{E}$ > **Recent Calls** > **Notepad**

Press	To
$[\text{c}]$	call the number
or	
$[\text{≣}]$	open the **Dialling Menu** to attach a number or insert a special character (see page 47)
or	
STORE ($[\text{◦}]$)	create a new phonebook entry, with the notepad number copied into the **No.** field (see page 73)

Attaching a Number

You can attach a number from your phonebook or recent calls list to the digits you enter in the display.

While dialling (with digits visible in the display):

Do This	To
Press $[\text{≣}]$ > **Attach Number**	attach a number from the phonebook or recent calls list to the end of the digits you entered

Using Voicemail

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone. Contact your service provider for more details.

Storing Your Voicemail Number

Store your voicemail number in your phone to make it faster and easier to use voicemail. Your voicemail number is provided by your service provider.

Find the Feature	$\boxdot$ > More > Messages
	$\boxdot$ > VoiceMail Setup

Press	**To**
1 keypad keys	enter the phone number for your voicemail
2 OK ($\boxdot$)	store the number

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays New VoiceMail ✉. (Some networks only indicate when you have messages, whether they are new or not.) If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, listen to the message, or turn off your phone. (See page 110.)

From the new message notification:

Do This	**To**
Press CALL ($\boxdot$)	call the voicemail phone number you stored and listen to the message

Listening to a Voicemail Message

Once you store your voicemail number, you can listen to your voicemail messages at any time:

| **Find the Feature**	$\boxdot$ > More > Messages
	> VoiceMail

Your phone calls the voicemail phone number you stored. If you do not have a voicemail number stored, the phone guides you through storing a number.

Speed Dialling

Speed dial lets you dial any phonebook entry with a minimal number of keypresses.

When you store an entry in your phonebook, it is assigned a unique speed dial number. You can then use the speed dial feature to call the entry. In the idle display:

	Press	**To**
1	keypad keys	enter the speed dial number for the entry you want to dial
2	⏏ (#)	submit the number
3	⏏	call the entry

To make an entry in the phonebook or view an existing entry's speed dial number, see page 73.

One-Touch Dialling

You can call phonebook entries 1 to 9 with the push of a single key. Press and hold the one-digit speed dial number for one second.To store entries in locations 1 to 9 in the phonebook, see page 73.

You must assign the 1-touch dial feature to numbers 1 to 9 in your phone memory phonebook or SIM card phonebook:

Find the Feature   🗐 > **Settings** > **Other Settings**
                             > **Initial Setup** > **1-Touch Dial**

Note: Your service provider may assign entry 1 to your voicemail number.

Quick Dialling

You can dial pre-programmed numbers stored on your phone. Your service provider may program your phone with one or more quick dial numbers, such as the customer service number. You can call them by selecting them from the quick dial list.

Find the Feature   ⊜ > **More** > **Quick Dial**

Note: Your service provider may use a different name for this feature.

To change your quick dial numbers:

Find the Feature   ⊜ > **Settings** > **Other Settings**
                                  > **Personalise** > **Quick Dial**

Using Call Waiting

If you subscribe to call waiting, an alert tone sounds while you are on a call to indicate that you have received a second call. To put the first call on hold and answer the second call, press ⓦ. To put the first call on hold and answer the second call:

Press		**To**
1	ⓦ	answer the new call
2	**SWITCH** (⊡)	switch back to the first call
		Note: You can press SWITCH (⊡) at any time to switch between calls.
	or	
	LINK (⊡)	connect the two calls

To end the first call and answer the second call:

Press		To
1	🔘	end the current call
		Your phone rings to signal the new call.
2	🔘	answer the new call

To activate or deactivate call waiting:

Find the Feature ▤ > **Settings** > **In-Call Setup** > **Call Waiting**

Diverting a Call

Call diverting sends your phone's incoming voice, fax, and/or data calls directly to another phone number.

Set Up or Cancel Call Diverting

The diverting options for voice, fax, or data calls are:

All Calls	diverts all calls
If Unavailable	divert calls if your phone is unavailable
Detailed	set different diverting numbers if you are out of range, unable to answer, or busy (*voice calls only*)
Off	do not divert calls

Find the Feature ▤ > **Settings** > **Call Divert**

	Press	**To**
1	(⊹)	scroll to the type of calls you want to divert
		Scroll to **Cancel All** to cancel all call diverting.
2	**SELECT** (·)	view call diverting details
3	(⊹)	scroll to **Divert**
4	**CHANGE** (·)	change the **Divert** option
5	(⊹)	scroll to a diverting option
6	**SELECT** (·)	store the option
7	(⊹)	scroll to **To** (for **Detailed** diverting, scroll to **If Busy**, **If No Answer**, or **If Unreachable**)
8	**CHANGE** (·)	select **To**
9	keypad keys	enter the diverting phone number
	or	
	BROWSE (·)	select a number from the phonebook or recent call lists
10	**OK** (·)	store the number
11	**DONE** (·)	save call diverting settings

Note: Repeat this procedure to enter diverting information for other call types.

Check Call Diverting Status

Your network may store call diverting status for you. If you change your phone's call divert settings, then you should confirm that the network call divert status matches your preferences.

Find the Feature ☰ > Settings > Call Divert
 > Divert Status

Press	To
1 $\overset{\cdot}{\underset{\cdot}{\leftrightarrow}}$	scroll to **Voice**, **Fax**, or **Data** calls
2 View (◻)	confirm that the network settings are correct

Linking Calls

To talk to more than one person on a call, you can make a conference call. Call the first person, call the second person, then link the two calls.

Press	To
1 keypad keys	dial the first person's number
2 ◖	call the number
3 HOLD (◻) (if available) or ☰ > Hold	put the first call on hold
	Your phone displays a 📳 (flashing phone) indicator next to the call on hold.
4 keypad keys	dial the next person's number
5 ◖	call the number
	Your phone displays a 【 (active call) indicator next to the new active call.

Press		To
6	LINK ($\square$)	connect the two calls
7	$\textcircled{\tiny\scriptsize\textcircled{o}}$ or close flip	end the entire call

Transferring a Call

While you are on a call, you can transfer the call to another phone by first talking to the person who answers the other phone, or by directly transferring the call.

Announce the Call Transfer

You can talk to the person who answers the other phone before you transfer the call, to tell them whom you are transferring.

Find the Feature		$\textcircled{\small =}$ > Hold

Press		To
1	keypad keys	enter the phone number where you are transferring the call
2	$\textcircled{\tiny c}$	dial the phone number
		Speak to the person who answers the target phone.
3	$\textcircled{\small =}$	open the menu
4	$\textcircled{\tiny\ddots}$	scroll to Transfer
5	SELECT ($\square$)	select Transfer
6	OK ($\square$)	confirm the transfer
		Your phone displays the message Transfer: Complete when the call is transferred. You can hang up the phone when you see this message.

Do Not Announce the Call Transfer

You can directly transfer a call without talking to the person who answers. During a call:

Find the Feature   ▤ > Transfer

Press	To
1 keypad keys	enter the phone number where you are transferring the call
2 📞	dial the phone number
	Your phone displays the message **Transfer: Complete** when the call is transferred. You can hang up the phone when you see this message.

Barring a Call

Call barring lets you restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming, or all calls but home.

Find the Feature   ▤ > Settings > Security
                             > Call Barring

Press	To
1 ⊕	scroll to **Outgoing** or **Incoming** calls
2 CHANGE (▫)	select barring for **Outgoing** or **Incoming** calls
3 ⊕	scroll to a restriction for the barred calls

Press	To
4 SELECT (⊙)	select the restriction for the barred calls
5 keypad keys	enter your call barring password (from your network service provider)
6 OK (⊙)	submit your password

Putting a Call on Hold

While you are on a call:

Press	To
HOLD (⊙) (if available) or 🗊 > Hold	put a call on hold
	Your phone displays a 🙋 (flashing phone) indicator to indicate that the call is on hold.

Messages

You can send and receive text messages, pictures, and ring tones on your wireless phone. Received messages appear on your phone display or in your text message inbox.

You must set up the text message inbox *before* you can send and receive these messages. The total number of messages the inbox can hold depends on the length of the messages, and the number of other messages and drafts stored in your phone.

Note: Your service provider may have already programmed the text message inbox settings for you.

Setting Up the Text Message Inbox

Find the Feature	≣ > **More** > **Messages**
	≣ > **Inbox Setup**

Press		**To**
1	⊙	scroll to **Srvce Centre No.**
2	**CHANGE** (⊡)	change the **Srvce Centre No.** which is provided by your service provider
3	keypad keys	enter the phone number for the service centre that handles your outgoing messages
4	**OK** (⊡)	store your service centre number
5	**CHANGE** (⊡)	change the **Expire After** period

Press		To
6	keypad keys	enter the expiry period—the number of days your network tries to resend unreceived messages
7	OK (⊡)	store the expiry period
8	**CHANGE** (⊡)	change the **Reply Type**
9	(⊹)	scroll to the default type of replies you want to send—text messages, or other formats
10	OK (⊡)	store the reply type
11	**CHANGE** (⊡)	change the **Cleanup** setting
12	(⊹)	scroll to the period of time that messages stay in your inbox
13	**SELECT** (⊡)	select the cleanup period
		If you select **Custom**, continue. Otherwise, the procedure is complete.
14	(⊹)	change the entry for the number or label
15	(⊹)	switch between the number and the label
16	**DONE** (⊡)	store the custom cleanup period after you finish entering all information

Sending Messages, Pictures, and Ring Tones

You can send text messages, pictures, and ring tones to one or more recipients. You can manually enter each recipient's phone number, or select one or more numbers from the phonebook or recent calls lists.

Note: The recipient's phone may be unable to display pictures or ring tones inserted in your message.

Shortcut: While dialling (with digits visible in the display), you can Press 🗐 > **Send Message** to create a text message addressed to the number entered.

When you manually enter multiple phone numbers in the **To** field, you must insert a space between each number. Press and hold ⁀1⁀₀ to insert a space as needed.

Find the Feature	🗐 > **More** > **Messages** > **New Message**
	or
	MESSAGE (⌂) > **New Message**

Press	**To**
1 keypad keys	enter the text message
	To insert a picture, animation, or sound file in the message, press:
	🗐 > **Insert** > *object type* > *object*
	or
	INSERT (⌂) > *object type* > *object*
	Note: Message length is limited. When you near the limit, a two-digit counter at the top of the display shows how many characters are left.

Press		To
2	**OK** (⊡)	store the text message
3	keypad keys	enter one or more phone numbers where you want to send the message
		Note: Press and hold ⒈ to add a space between numbers that you enter manually.
	or	
	BROWSE (⊡)	select one or more phone numbers from the phonebook or recent calls lists
4	**OK** (⊡)	store the number(s)
5	**DONE** (⊡)	finish the message
6	(⁙)	scroll to **Send Message**, **Message Details**, **Save to Drafts**, or **Cancel Message**
7	**SELECT** (⊡)	select the option

Viewing Message Status

Text messages that you send are stored in the outbox. To view the contents of your outbox:

Find the Feature   ⊟ > **More** > **Messages** > **Outbox**

Messages are sorted from newest to oldest. The following icons indicate message status:

≫ = sending in progress   ⊠ = delivered

✕ = sending failed

Receiving a Text Message

Note: Your text message inbox must be set up before you can receive text messages. See page 62.

When you receive a text message, your phone displays **New Message** ✉ and gives an alert.

Press	To
READ (◻)	open the message

If reminders are turned on, your phone sends a reminder at regular intervals until you close the new message notification, read the message, or turn off your phone. (See page 110.)

When your inbox is full, flashing envelope icon appears. New messages do not appear until you delete some existing ones.

Reading, Locking, or Deleting a Text Message

Messages in the text message inbox are sorted from newest to oldest. The oldest messages are deleted automatically as specified by the inbox cleanup setting. If you want to save a message, you should lock it to prevent it from being deleted during cleanup.

Find the Feature	▤ > **More** > **Messages** > **Inbox**

Press	To
1 ⟨⁚⟩	scroll to the message you want (✉ = unread, ⊟ = read, ▤ = read and locked)
2 **READ** (◻)	open the message

Press	To
3 **BACK** (⊙)	close the message
or	
REPLY (⊙)	compose and send a reply
or	
🗐	open the **Inbox Menu** to perform other procedures as described in the following list

The **Inbox Menu** can include the following options:

Option	Description
Delete	Delete the message.
Call Back	Call the number in the message header or embedded in the message.
Reply	Open a new text message, with the sender's **Reply To** number or email address in the **To** field.
Forward	Open a copy of the text message, with an empty **To** field. *Note: You cannot forward sound files embedded in a text message. Only the text is forwarded.*
Lock/Unlock	Lock or unlock the message.

Option	Description
Store	Store a phone number listed in a message, or store a picture, animation, or ring tone attachment.
	When you store a message attachment, you can optionally set it as a screen saver image, wallpaper image, or ring tone.
Delete All	Delete all inbox messages.
New Message	Open a new text message.
Setup	Open the text message inbox setup menu.

Using Chat

You can exchange text messages in real time with another wireless phone user in a *chat session*. The messages you send appear immediately on your chat partner's phone.

Start a Chat Session

Find the Feature $\boxed{\scriptsize ▤}$ > **Chat**
                         $\boxed{\scriptsize ▤}$ > **New Chat**

Press	**To**
1 keypad keys	enter your **Chat Name**
2 **OK** ($\boxed{\cdot}$)	save your **Chat Name**

Press		To
3	keypad keys	enter your chat partner's phone number
	or	
	BROWSE (⊡)	select a number from the phonebook or recent call lists
4	**OK** (⊡)	store the number
5	keypad keys	enter your first chat message
	or	
	INSERT (⊡)	select a quick note
6	**OK** (⊡)	send the chat message
		When your chat partner replies, the reply appears below your text.
7	**CHAT** (⊡)	enter a reply to your partner
8	**OK** (⊡)	send your reply

Notes:

- *You can start a chat session from a text message. Press ▤ and select* Chat *to start a new session with the sender's* Reply To *number in the* To *field.*

- *When your phone displays* Memory is Full, *you must delete some existing messages from your inbox, outbox, or drafts folder to receive new chat messages.*

Use the Chat Log

The chat log displays the messages exchanged in a chat session.

Chat name

Press ⊙ to scroll and see more text.

Message Status:
>> sending
✕ failed

Exit chat

Press ⊟ to open the **Chat Menu**

Chat text

Newest messages appear at bottom of log.

Enter reply

```
📶
Carlo>What time
does it start?
>>Katy>10 AM
EXIT      ☰      CHAT
```
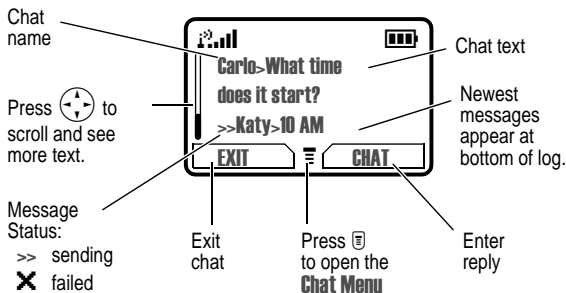
Use the Chat Menu

During a chat session, you can press ⊟ to open the **Chat Menu** to perform procedures as described in the following list:

Option	Description
New Chat	Open a new chat session.
Call Partner	Call your chat partner.
Call Number	Call the number listed in the chat log.
Store Number	Create a phonebook entry for the number listed in the chat log.
End Chat	End the chat session.
Go to Top	Go to the top of the chat log.
Go to Bottom	Go to the bottom of the chat log.
Clear Log	Clear all text from the chat log.
Re-send	Resend your most recent chat message, if it failed.
Send Message	Create a new chat message.

Respond to Chat

When you receive a chat message, your phone displays Chat from *chat name*, and gives an alert.

Press	To
ACCEPT (⊙)	accept the chat session
IGNORE (⊙)	refuse the chat session

If reminders are turned on, your phone sends a reminder at regular intervals until you respond to the chat notification or turn off your phone.

If you receive another chat request during a chat session, the new request appears as an incoming text message, with the requestor's *chat name* at the beginning of the message.

End a Chat Session

	Press	To
1	🗐	open the Chat Menu
2	⊙	scroll to End Chat
3	SELECT (⊙)	select End Chat
4	YES (⊙)	end the chat session

A chat session also ends when you turn off the phone, answer an incoming call, or start a new chat session.

Your chat partner is not notified when you end a chat session. If your partner sends more chat text, the phone treats it as an incoming text message, with your chat partner's *chat name* at the beginning of the message.

If you exit the chat log without selecting End Chat, and your chat partner sends another message, your phone notifies you and adds it to the chat log. You can re-enter the session by returning to the chat log.

Phonebook

You can store a list of names and phone numbers or email addresses in your phone's electronic phonebook.

To see the list of names stored in your phonebook, press 圓 > **More** > **Phonebook** from the idle display. Scroll to a name and press **VIEW** (◎) to view details of the phonebook entry as shown below.

Shortcut: Press **PH.BOOK** (◎) or press ⌖ up or down from the idle display to open the phonebook.

Viewing Entry Details

Type indicator shows number type:	**Voice Name** indicator indicates a recorded voice name
🏢 Work	
🏠 Home	Entry's **Name**
☎ Main	
🖬 Mobile	**Phone number**, **email address**, or **mailing list** members.
🖷 Fax	
🖩 Pager	
✉ Email	

```
 ₽ₐₗₗ                  ▥
 🏢 ◯)) Carlo Emrys
 5551212
 Speed No.15#(P)
 [BACK]   ☰   [EDIT]
```
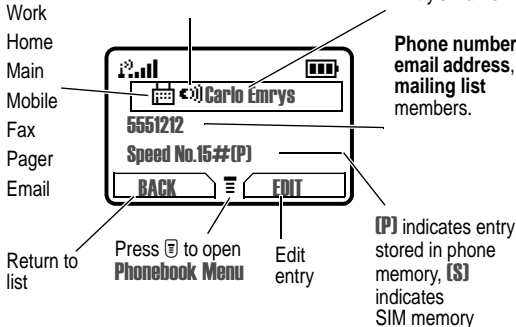
- Return to list
- Press 圓 to open **Phonebook Menu**
- Edit entry
- **(P)** indicates entry stored in phone memory, **(S)** indicates SIM memory

Notes:

- **Email Address** *entries,* **Mailing List** *entries, and entries stored on the SIM card do not have* **Type**, **Voice Name**, **Icon ID**, *or* **Ringer ID** *information.*

- *If the phonebook entry is a mailing list, list members are listed after the entry's name.*

- *When you set a distinctive ringer alert for an entry, the* Ringer ID *setting appears below the speed dial number.*

Storing a Phonebook Entry

A phone number or email address is required for a phonebook entry. All other information is optional.

For email addresses, you can send a text message directly from your phone.

You can store a phonebook entry on your phone or on the SIM card. Entries with a speed dial number from 1 to 100 are stored on the phone. 101 and above are stored on the SIM.

Shortcut: Enter a phone number in the idle display, then press STORE (◌) to create a phonebook entry with the number in the No. field. Go directly to step 3 in the following procedure to enter additional information and store the entry.

Note: You can also use the following procedure to store a fixed dial entry by scrolling to and selecting Fixed Dial.

Enter Information

Find the Feature	🔲 > More > Phonebook 🔲 > New

Press	**To**
1 ⊕	scroll to Phone Number, Email Address, or Mailing List
2 SELECT (◌)	select the type of entry
3 CHANGE (◌)	select Name

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Press		**To**
4	keypad keys	enter a name for the phonebook entry (see page 30)
5	OK (⊙)	store the name
6	CHANGE (⊙)	select No., Email, or Members
		Note: If you select Members (for a Mailing List), a list of phonebook entries appears.
		a Press (⁞⁝) to scroll to an entry.
		b Press ADD (⊙) or REMOVE (⊙).
		c Press DONE (⊙) when you are finished. You can skip to step 12 below.
7	keypad keys	enter the phone number or email address
8	OK (⊙)	store the phone number or email address
9	CHANGE (⊙)	select Type
		Notes:
		• *Your phone automatically applies an ✉ (email) type indicator when you enter an email address.*
		• *This option is not available for email entries, or for entries stored on the SIM card.*

Press	To
10 ⊕	scroll to the type of phone number
11 SELECT (⊡)	select the number type
12 RECORD (⊡) **or** Go to step 13 if you do not want to record a voice name for the entry	record a voice name for the entry, if desired See page 77. *Note: This option is not available for entries stored on the SIM card.*
13 ⊕	scroll to Speed No., the number to *speed dial* the entry The next available speed dial number is assigned to a new phonebook number by default. Entries 101 and above are stored on the SIM.
14 CHANGE (⊡)	select Speed No. if you want to change it
15 keypad keys	enter a different speed number, if desired
16 OK (⊡)	save the modified speed number If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.
17 CHANGE (⊡)	select Ringer ID *Note: This option is not available for entries stored on the SIM card.*

Press	To
18 $\odot$	scroll to the ring tone that should sound when you receive calls or messages from this entry
	Note: To activate ringer IDs, see page 86.
19 SELECT ($\square$)	select the ring tone
20 CHANGE ($\square$)	select Icon ID
	Note: This option is not available for entries stored on the SIM card.
21 $\odot$	scroll to the icon that should appear when you receive calls or messages from this entry
22 SELECT ($\square$)	select the icon
23 SELECT ($\square$)	select MORE if you want to create another entry with the same Name
	Note: You must enter a name and number to use this option.

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE ($\square$)	store the entry

Recording a Voice Name For a Phonebook Entry

You can record a voice name for a new or existing phonebook entry. A voice name lets you call the phonebook entry using voice dial (see page 78).

Note: You cannot record a voice name for an entry stored on the SIM card.

Make your voice recording in a quiet location. Hold the phone about four inches (10 centimetres) from your mouth, and speak directly into the phone in a normal tone of voice.

Find the Feature   🗐 > **More** > **Phonebook**

	Do This	**To**
1	Press ⌃⌄	scroll to the entry that needs a voice name
2	Press **VIEW** (▢)	display the entry's detailed view
3	Press **EDIT** (▢)	edit the phonebook entry
4	Press ⌃⌄	scroll to **Voice Name**
5	Press **RECORD** (▢)	begin the recording process
		The phone displays **Press RECORD Key then say name**.
6	Press and release **RECORD** (▢), then say the entry's name (in two seconds)	record the voice name
		The phone displays **Press RECORD Key then REPEAT name**.
7	Press and release **RECORD** (▢), then repeat the name	confirm the voice name
		The phone displays **Trained: Voice Name**.

Dialling a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or 1-touch dial to call a number stored in your phonebook. To use speed dial, see page 54. To use 1-touch dial, see page 54.

Phonebook List

Find the Feature	🗐 > **More** > **Phonebook**

Press	**To**
1 ⊙	scroll to the entry you want
2 ⦿	call the entry

Shortcut: In idle, press ⊙ up or down to open the Phonebook.

Voice Dial

Find the Feature	🗐 > **Voice Dial**

Say the pre-recorded phonebook entry name.

Editing a Phonebook Entry

You can edit a phonebook entry stored on your phone or the SIM card. If you change an entry's speed dial number, the entry is moved to the new speed dial location and the original entry is deleted.

Note: You can also use the following procedure to edit a fixed dial entry by scrolling to and selecting Fix Dial.

Find the Feature	🗐 > **More** > **Phonebook**

Press		**To**
1	(⊹)	scroll to the entry you want to edit
2	VIEW (◎)	display the entry's detailed view
3	EDIT (◎)	edit the phonebook entry

For a description of the items in a phonebook entry or fixed dial entry, see page 72 and page 73.

Deleting a Phonebook Entry

To delete a phonebook entry:

Find the Feature		◎ > **More** > **Phonebook**

Press		**To**
1	(⊹)	scroll to the entry you want to delete
2	◎	open the **Phonebook Menu**
3	(⊹)	scroll to **Delete**
4	SELECT (◎)	select **Delete**

Sorting Phonebook Entries

You can set up your phone to sort your phonebook list by speed dial number (the standard), name, or voice dial.

Note: The voice dial sort is identical to the name sort, except that the entries with voice name tags appear first.

Find the Feature		◎ > **More** > **Phonebook**

Press		**To**
1	◎	open the **Phonebook Menu**

Press		To
2	(⊕)	scroll to **Setup**
3	**SELECT** (☉)	select **Setup**
4	(⊕)	scroll to **Sort by**
5	**CHANGE** (☉)	select **Sort by**
6	(⊕)	scroll to the entry you want
7	**SELECT** (☉)	select the entry you want

Copying Phonebook Entries

You can copy one or more phonebook entries from your phone to the SIM card or from the SIM card to your phone.

Notes:

- *This procedure copies the original entry to a new location. It does not delete the original entry.*

- *The SIM card cannot store* **Type** *and* **Voice Name** *data for entries. If you try to copy an entry with a type or voice name to the SIM card, the phone asks you for confirmation before dropping this information and copying the entry.*

Copy a Single Entry

To copy a single phonebook entry from your phone to the SIM card or from the SIM card to your phone:

**Find the Feature**   ☰ > **More** > **Phonebook**

|	Press	To
1	$\left(\begin{smallmatrix} \cdot \\ \cdot \end{smallmatrix}\right)$	scroll to the entry you want to copy
		Note: Entries with a speed dial number from 1 to 100 are stored on the phone. Entries with a speed dial number of 101 or higher are stored on the SIM card.
2	🗐	open the **Phonebook Menu**
3	$\left(\begin{smallmatrix} \cdot \\ \cdot \end{smallmatrix}\right)$	scroll to **Copy Entry**
4	**SELECT** (⬚)	select **Copy Entry**
		The phone displays the **Copy To** form, with the next available speed dial number.
5	keypad keys	edit the speed dial number on the **Copy To** form
6	**OK** (⬚)	approve the copy to the speed dial number
		The phone displays the **Stored** message. You can now delete the old phonebook entry, if desired.

Copy Multiple Entries

To copy multiple phonebook entries from your phone to the SIM card or from the SIM card to your phone:

Find the Feature   🗐 > **More** > **Phonebook**

Press		**To**
1	⊟	open the **Phonebook Menu**
2	⊙	scroll to **Copy Entries**
3	**SELECT** (⊙)	select **Copy Entries**
		The phone displays the **Copy Entries** form.
4	⊙	scroll to **From (start)**
5	**CHANGE** (⊙)	select **From (start)**
6	keypad keys	enter the first (lowest) speed dial number in the range of entries that you want to copy
		Note: Entries with a speed dial number from 1 to 100 are stored on the phone. Entries with a speed dial number of 101 or higher are stored on the SIM card.
7	**OK** (⊙)	store the number and return to the **Copy Entries** form
8	⊙	scroll to **From (end)**
9	**CHANGE** (⊙)	select **From (end)**
10	keypad keys	enter the last (highest) speed dial number in the range of entries that you want to copy
11	**OK** (⊙)	store the number and return to the **Copy Entries** menu
12	⊙	scroll to **To (start)**
13	**CHANGE** (⊙)	select **To (start)**

Press	To
14 keypad keys	enter the first (lowest) new speed dial number for the entries' new location
15 OK (⬚)	store the number and return to the Copy Entries menu
16 DONE (⬚)	copy the entries
	The phone displays the Copied Entries message. You can now delete the old entries, if desired.

Checking Phonebook Capacity

You can check phonebook capacity to see how much space is left for storing phonebook entries on your phone and on the SIM card. For entries stored on the phone, your phone displays a memory meter that shows how much memory space remains to store phonebook and datebook entries. For the SIM card, your phone lists the number of phonebook entries used and the number available.

Find the Feature	🗐 > More > Phonebook

Press	To
1 🗐	open the Phonebook Menu
2 ⬙	scroll to Phone Capacity
3 SELECT (⬚)	select Phone Capacity
	Your phone displays the phone memory meter, or the number of SIM card phonebook entries available.

Customising Your Phone Settings

You can adjust your phone's menus and features.

Reordering the Main Menu

Your service provider can change the order of menu items from what is listed in this manual. Additionally, you can also reorder the menu items.

Find the Feature $\boxed{\equiv}$ > Settings > Other Settings
> Personalise > Main Menu

Press		**To**
1	$\odot$	scroll to the menu item you want to move
2	GRAB ($\square$)	grab the menu item you want to move
3	$\odot$	move the item up or down the menu
4	INSERT ($\square$)	insert the item in the new location

Reordering the Message Centre Menu

Your service provider can change the order of Message Centre items from what is listed in this manual. Additionally, you can also reorder the menu items.

Find the Feature $\boxed{\equiv}$ > More > Messages
$\boxed{\equiv}$ > Reorder

Press		**To**
1	$\overset{+}{\underset{+}{\leftrightarrow}}$	scroll to the menu item you want to move
2	**GRAB** ($\boxed{\cdot}$)	grab the menu item you want to move
3	$\overset{+}{\underset{+}{\leftrightarrow}}$	move the item up or down the menu
4	**INSERT** ($\boxed{\cdot}$)	insert the item in the new location

Redefining Soft Keys

You can relabel the soft keys (left $\boxed{\cdot}$ and right $\boxed{\cdot}$) to access different main menu items from the idle display.

Find the Feature	$\boxed{\equiv}$ > Settings > Other Settings > Personalise > Keys

Press		**To**
1	$\overset{+}{\underset{+}{\leftrightarrow}}$	scroll to Left or Right
2	**CHANGE** ($\boxed{\cdot}$)	open the key editor
3	$\overset{+}{\underset{+}{\leftrightarrow}}$	scroll to the new key function
4	**SELECT** ($\boxed{\cdot}$)	confirm the new function
		The key will have the new function whenever the phone is idle.

Selecting a Different Language

You can select a different language for your phone's display:

Find the Feature ≣ > Settings > Other Settings
> Initial Setup > Language

Activating Ringer IDs

When ringer IDs are turned on, your phone uses distinctive ring tones to notify you of incoming calls or messages from specific entries stored in your phonebook.

Note: To assign a ringer ID to a new or existing phonebook entry, see page 73.

Find the Feature ≣ > More > Ring Styles
> *Alert* Detail > Ringer IDs

Note: Alert represents the current ring style.

	Press	**To**
1	⊙	scroll to On or Off
2	SELECT (⊡)	select the option

Using Shortcuts

MyMenu lets you create shortcuts to quickly access your favourite menu features, stored entries (such as phonebook or datebook entries), or URLs.

Adding a MyMenu Shortcut

	Do This	**To**
1	Press 🖵	enter the menu system
2	Scroll to the item you want to add to MyMenu	select the menu item, entry, or URL
3	Press and hold 🖵	open the MyMenu editor
		The phone displays: **Assign MyMenu** for: "*Item*"? where *Item* is the name of the item you selected.
4	Press **YES** (�’)	view your options
5	Press **CHANGE** (🔘) **or** Press **DONE** (🔘)	change the MyMenu key number, if necessary select the MyMenu key number and close the editor

Using a MyMenu Shortcut

You can use MyMenu from the idle display, while on a call, or while scrolling through a menu.

Use a MyMenu Key Command

If you know the MyMenu key number:

	Press	**To**
1	🖵	open the menu
2	the MyMenu key number	go to the menu item, or perform the menu action

Select a Shortcut From the MyMenu List

To select a feature from the MyMenu list:

Find the Feature   ⊜ > **More** > **MyMenu**
                                      > *the feature you want*

Tip: To edit or delete a MyMenu shortcut, highlight it in the list and press ⊜ to open a menu of options for the shortcut.

Setting a Wallpaper Image

Find the Feature   ⊜ > **Settings** > **Other Settings**
                                      > **Personalise** > **Wallpaper**

Setting	Description
Picture	select the picture or animation for the background image in your idle display
Layout	select Centre or Tile

Setting a Screen Saver

Find the Feature   ⊜ > **Settings** > **Other Settings**
                                      > **Personalise** > **Screen Saver**

Setting	Description
Picture	select the picture that appears when your phone is idle
Delay	select how long your phone must be idle before the screen saver picture appears
	Note: If this setting is longer than your Display Timeout setting, then your display will turn off before you ever see the screen saver.

Getting More Out of Your Phone

Dialling Options

Fixed Dialling

When you turn on fixed dial, users can only call numbers stored in the fixed dial list.

Note: Employers can use fixed dial to limit employees' phones to a predefined list of numbers, country codes, or other prefixes.

Activating Fixed Dial

To activate fixed dial:

Find the Feature   M > Settings > Security
                             > Fixed Dial

Creating and Calling Fixed Dial Entries

Fixed dial list entries can be any length. If there is a fixed dial entry for the digits 555, users can call any number that starts with 555. You must enter your SIM PIN2 code, from your network service provider, to edit fixed dial entries. To open the fixed dial list:

Find the Feature   M > More > Fixed Dial

In the fixed dial list, you can create, edit, delete, and sort entries just like in the phonebook list. Fixed dial list entries are stored on your SIM card and do not have **Type** or **Voice Name** fields.

Service Dialling

■
■ Dial pre-programmed numbers stored on your SIM
■ card. Your service provider may program your SIM card
■ with numbers for services such as taxi companies,
restaurants, and hospitals.

Find the Feature　　　　≡ > More > Service Dial

Managing Your Calls

Calling a Number in a Text Message

■
■ If you receive a text message with an embedded phone
■ number, you can dial the number directly.

*Note: You must set up the text message inbox before
you can receive text messages. See page 62.*

Find the Feature　　　　≡ > More > Messages
　　　　　　　　　　　　　　 > Text Msgs

Press	**To**
1 $\left(\begin{smallmatrix}\cdot\\\cdot\end{smallmatrix}\right)$	scroll to the message with the number
2 ≡	open the Text Msg Menu
3 $\left(\begin{smallmatrix}\cdot\\\cdot\end{smallmatrix}\right)$	scroll to Call Back
4 SELECT (ⓞ)	dial the number in the message

If the message contains more than one phone number, press $\left(\begin{smallmatrix}\cdot\\\cdot\end{smallmatrix}\right)$
to scroll to a number, then press SELECT (ⓞ) to dial.

Sending DTMF Tones

While you are on a call, you can send keypresses as tones:

Do This	To
Press ▤ > **Send Tones**	send a number to the network as DTMF tones, for credit card calling or password entry

To set DTMF tones to be long, short, or off:

Find the Feature   ▤ > **Settings** > **Other Settings**
           > **Initial Setup** > **DTMF**

Monitoring Phone Use

Viewing and Resetting Call Timers

Your phone tracks and records call times. Use the recent calls menu to view and reset a call timer.

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing ⊙. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

To view a call timer:

Find the Feature   ▤ > **Recent Calls** > **Call Times**

Press	To
1 ✛	scroll to the timer you want to view

Press		To
2	**SELECT** (◌)	view the recorded time

To reset the call timer:

Press		To
1	**RESET** (◌)	reset the time (if available)
2	**YES** (◌)	confirm the reset

You can view the approximate network connection time elapsed during the following calls:

Timer	Description
Last Call	Time spent on the last call dialled or received. You cannot reset this timer.
Dialled Calls	Total time spent on dialled calls since the last time you reset this timer.
Received Calls	Total time spent on calls received since the last time you reset this timer.
All Calls	Total time spent on dialled and received calls since the last time you reset this timer.
Lifetime	Total time spent on all calls on this phone. You cannot reset this timer.

Viewing and Resetting Call Costs

To view a cost tracker:

Find the Feature   ◻ > **Recent Calls** > **Call Cost**

Press		To
1	⊕	scroll to the cost tracker you want to view
2	**SELECT** (⊙)	view the recorded cost

To reset the cost tracker:

Press		To
1	**RESET** (⊙)	reset the cost (if available)
2	**OK** (⊙)	enter your PIN2 code to confirm the reset

Your phone network can provide the following cost information:

Cost Tracker	Description
Credit Available	Amount of your credit remaining.
	For GSM advice-of-charge, this is only available if you set a credit limit.
	Note: Your phone receives cost information from the advice-of-charge feature or third-party prepay software.
Expiry Date	Date that the available credit expires (available only with a subscription to a prepay option).
Last Deposit	Amount of the last deposit (available only with a subscription to a prepay option).

Cost Tracker	Description
Last Call	Amount spent on the last call you dialled or received. You cannot reset this cost tracker.
Dialled Calls	Amount spent on calls you dialled since the last time you reset this cost tracker.
Received Calls	Amount spent on calls you received since the last time you reset this cost tracker.
All Calls	Amount spent on all dialled and received calls since the last time you reset this cost tracker.
	You can reset this value separate from **Dialled Calls** and **Received Calls**, so **Dialled Calls** plus **Received Calls** may not equal **All Calls**.

Network Features

Data and Fax Calls

A Motorola Original™ data kit lets you transfer data between your phone and a computer or other external device. You can:

- use your phone to make and answer data and fax calls on your computer or hand-held device.

- use your phone as a modem to connect to the Internet

  Note: 56K modems are capable of receiving 56Kbps from a compatible service provider. Receiving is currently limited in the U.S. and Canada to 53 Kbps, and transmitting to 33.6 Kbps. Actual speeds will vary depending on line conditions.

Your phone can use GPRS network connections when available (see page 25).

For more information about Motorola Original data kits, see the Motorola Web site at:

```
http://www.hellomoto.com
```

Connecting Your Phone to an External Device

Connect your phone to an external device (such as a computer or hand-held device) using a USB cable.

Note: Not all devices are compatible with USB cable connections. Check your external device for specifications.

Set Up a Cable Connection

Attach a Motorola Original USB cable to the phone and external device as follows.

Note: Your phone requires a mini-USB connector. Check your computer or hand-held device to determine the type of cable you need.

	Do This
1	Plug the end of the cable with the Motorola logo into your phone's accessory connector port. Make sure that the logo and the phone are both facing you.
2	Plug the other end—the USB connection—into the USB port on the external device.

Install the Software

Install the software from the CD-ROM that comes with your Motorola Original data kit. See the data kit's user guide for more information.

Making a Data or Fax Call

You can connect your phone to a computer or hand-held device to send data or a fax from the connected device.

Attach the cable (see page 95) and do the following:

	Do This	**To**
1	Check the phone	make sure that the phone is connected and powered on
2	Open the application on your computer	place the call through the application (such as dial-up-networking)
		Note: You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer.
3	End the transfer on your computer	close the call and connection when the transfer is complete

Receiving a Data or Fax Call

You can connect your phone to a computer or hand-held device to receive data or a fax.

Use this feature to transfer data to your computer from another device.

Transfer the Data or Fax

Connect your phone (see page 95).

Your phone notifies you when the call arrives, and transfers the call to the connected device. You must use the application running on the connected device to answer the call.

End the Data/Fax Connection

When the data or fax transfer is complete:

Do This	To
End the call from the connected device	close the connection

Make a Talk and Fax Call

You can place a call where you talk and then send a fax to the same phone number within the same call.

Connect to the device that will send the fax and do the following:

Press		To
1	keypad keys	enter the phone number
2	🗉	open the Dialling Menu
3	⊕	scroll to Talk and Fax
4	**SELECT** (⊙)	select Talk and Fax
		Your selection applies to the next call only.
5	ⓒ	make the call
		Speak and, when ready, initiate the fax transfer on the connected device. When the transfer is complete, end the call from the connected device.

Network Selection

You can view and adjust your phone's network settings:

Find the Feature   ⊟ > Settings > Other Settings
                                 > Network

Your service provider registers your phone to a network. You can view information about the current network, change how your phone searches for a network, specify your preferred networks, and activate alerts that indicate when a call is dropped or network registration changes.

Security

Locking and Unlocking Your Phone

You can lock your phone manually or set your phone to lock automatically whenever you turn it off.

When you try to use a locked phone, it asks you to enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer*.

You can make emergency calls on your phone even when it is locked. See page 47.

Lock Your Phone Manually

Find the Feature	≡ > Settings > Security > Phone Lock > Lock Now

Press	**To**
1 keypad keys	enter your four-digit unlock code
2 OK (ロ)	lock the phone

Set Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off:

Find the Feature	≡ > Settings > Security > Phone Lock > Automatic Lock > On

Press	**To**
1 keypad keys	enter your four-digit unlock code
2 OK (ロ)	set the phone to lock automatically

Unlock Your Phone

At the **Enter Unlock Code** prompt:

	Press	**To**
1	keypad keys	enter your four-digit unlock code
		The unlock code is originally set to 1234. If necessary, see page 101.
2	**OK** (☉)	unlock your phone

Changing Your Unlock Code

Your phone's four-digit unlock code is originally set to 1234, and the six-digit security code is originally set to 000000. Your service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, we recommend that you change them to prevent other users from accessing your personal information or modifying your phone settings. The unlock code must contain four digits, and the security code must contain six digits. Be sure to make a note of the new numbers.

Notes:

- *Your service provider may retain your phone's security code for customer service purposes. In this case, you will not be able to use phone features that require you to enter the security code (such as master clear, master reset, and the unlock code bypass feature).*

- *If the only password you can change is the unlock code, the* **New Passwords** *menu is unavailable and the* **Unlock Code** *option appears on the* **Phone Lock** *menu. In this case, open the unlock code editor by selecting:* ▤ *>* **Settings** *>* **Security** *>* **Phone Lock** *>* **Unlock Code***.*

To change a code or password:

Find the Feature   ☰ > Settings > Security
                                > New Passwords

Press		To
1	⊕	scroll to the code or password you want to change
2	**CHANGE** (⊡)	select the code or password
3	keypad keys	enter your old code
		If you do not know your code, see page 101.
4	**OK** (⊡)	submit your old code
5	keypad keys	enter the new code
6	**OK** (⊡)	assign the new code
7	keypad keys	re-enter the new code
8	**OK** (⊡)	confirm the new code

If You Forget a Code or Password

If you forget your security code (originally set to 000000), SIM PIN, SIM PIN2, or call barring password, contact your service provider.

If you forget your unlock code, try entering 1234 or the last four digits of your phone number. If that does not work, do the following when you see the **Enter Unlock Code** message:

Press		To
1	☰	go to the unlock code bypass screen
2	keypad keys	enter your security code
3	**OK** (⊡)	submit your security code

Locking and Unlocking the Keypad

You can lock your phone keypad to prevent accidental keypresses (for example, when carrying your phone in a purse or pocket).

Press	To
🗐 🔆	lock or unlock your keypad

Select 🗐 > **Settings** > **Security** > **Lock Keypad** to view instructions on how to lock/unlock the keypad.

Note: Incoming calls and messages unlock the keypad.

Protecting the SIM Card

Your PIN (Personal Identification Number) code protects the information stored on your SIM card. When the SIM PIN feature is activated, you must enter your SIM card PIN code each time you turn on the phone or insert a SIM card. Your SIM card PIN code is given to you by your service provider.

Find the Feature	🗐 > **Settings** > **Security** > **SIM PIN**

Press		**To**
1	⊙	scroll to **On** or **Off**
2	**SELECT** (⊙)	switch protection on or off
3	keypad keys	enter your SIM card PIN code
4	**OK** (⊙)	submit your code

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code three times in a row, your SIM card is disabled and your phone displays SIM Blocked. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone displays SIM Disabled.

	Press	**To**
1	$\circledast$ $\circledast$ $\boxed{0^+}$ $\boxed{5_{JKL}}$ $\circledast$	open the PIN unblocking editor
2	keypad keys	enter the PUK code
3	OK ($\boxdot$)	submit the PUK code
4	keypad keys	enter a new SIM card PIN code
		Note: The SIM PIN code must be between four and eight digits in length.
5	OK ($\boxdot$)	assign the new SIM PIN code
6	keypad keys	re-enter the new SIM PIN code
7	OK ($\boxdot$)	confirm the new SIM PIN code and unblock the SIM card

Unblock the SIM Card PIN2 Code

If you enter an incorrect SIM card PIN2 code three times in a row,
your phone's SIM PIN2 protected features are disabled and your
phone displays **SIM Blocked** when you try to use a PIN2 feature. You
must enter a PIN2 unblocking key (PUK2) code, which you can
obtain from your service provider.

	Press	**To**
1	⊛ ⊛ ⓪ ⑤ ⊛	open the PIN2 unblocking editor
2	keypad keys	enter the PUK2 code
3	**OK** (▢)	submit the PUK2 code
4	keypad keys	enter a new SIM card PIN2 code
		Note: The SIM PIN2 code must be between four and eight digits in length.
5	**OK** (▢)	assign the new SIM PIN2 code
6	keypad keys	re-enter the new SIM PIN2 code
7	**OK** (▢)	confirm the new SIM PIN2 code and unblock PIN2 features

Line Security

If your phone displays **Line Not Secure** while you are on a call, your
phone has detected another device monitoring the call. This
message does not appear when caller ID, call cost, or other
information fills the display.

Personal Organiser Features

Datebook

The datebook is a calendar that lets you schedule and organise events such as appointments and meetings. You can review your schedule of events for the week or by the day, and have the datebook play a reminder alarm for specific events.

Note: You must set the phone's correct time and date in order to use the datebook (see page 39).

To schedule or review events in the datebook:

Find the Feature $\text{\faList}$ > Office Tools > Datebook

Viewing by the Week

When you open the datebook, your phone displays a calendar for the week. Lines or filled boxes under each day indicate scheduled events.

Untimed event

12 hour window

Exit the datebook

Full day (12-hour) event scheduled

Days of week (press ⊕ to select)

One-hour event

Go to selected day

Press ⊞ to open the Datebook Menu

9 JAN-15 JAN

S M T W T F S
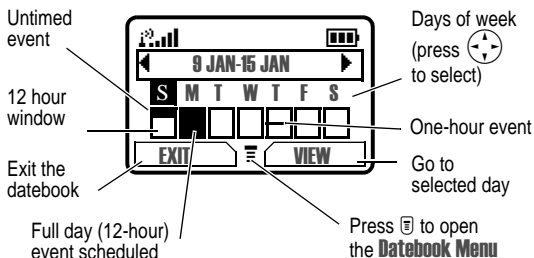
EXIT · VIEW

Viewing by the Day

Select a day in the week view and press **VIEW** (◻) to see the day's events. You can store, edit, view, copy, and delete any event from the day view.

Untimed event

Down scroll

Return to previous screen

Press ▤ to open the **Datebook Menu**

Day of week

Alarm

Event

Show event details

THU 13-JAN

● Joes B-day

9:00 ♔ Marie,...

BACK   VIEW
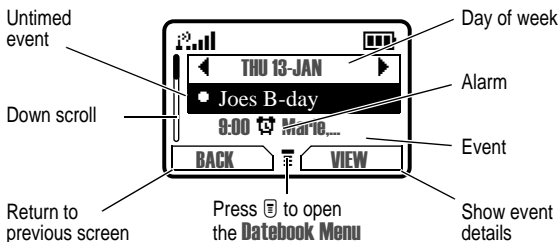
Viewing by the Event

Select an event in the day view and press **VIEW** (◻) to open the detailed event view. You can edit, copy, and delete events from the event view.

Alarm

Down scroll arrow

Return to previous screen

Press ▤ to open the **Datebook Menu**

Day and time

Event details

Edit event

♔ THU 9:00am

Marie, meeting about new product

BACK   EDIT

Storing a New Event

A title is required for a datebook event. All other information is optional.

Find the Feature $\text{\textcircled{=}}$ > Office Tools > Datebook
> *day*
$\text{\textcircled{=}}$ > New

Press		To
1	CHANGE ($\text{\textcircled{-}}$)	select Title
2	keypad keys	enter a title for the event (see page 30)
3	OK ($\text{\textcircled{-}}$)	store the event title
4	$\text{\textcircled{+}}$	scroll to other fields and enter information as necessary
		Other fields let you enter start time, duration, date, repeating events, and reminder alarm.
5	DONE ($\text{\textcircled{-}}$)	store the new event and return to the day view

Changing Event Information

To change information about an existing event:

Find the Feature $\text{\textcircled{=}}$ > Office Tools > Datebook

Press		To
1	$\text{\textcircled{+}}$	scroll to the scheduled event day
2	VIEW ($\text{\textcircled{-}}$)	display the day view
3	$\text{\textcircled{+}}$	scroll to the event to change

Press		**To**
4	**VIEW** (◻)	display the event view
5	**EDIT** (◻)	edit the event
6	(◌⁺⁎)	scroll to the detail to change
7	**CHANGE** (◻)	edit the information
8	keypad keys	enter the new information
9	**DONE** (◻)	store the information and return to the day view

Copying an Event

To copy information from a current event to a new event:

Find the Feature		▤ > **Office Tools** > **Datebook**
Press		**To**
1	(◌⁺⁎)	scroll to the scheduled event day
2	**VIEW** (◻)	display the day view
3	(◌⁺⁎)	scroll to the event to copy
4	▤	open the **Datebook Menu**
5	(◌⁺⁎)	scroll to **Copy**
6	**SELECT** (◻)	copy the event
7	**YES** (◻)	confirm the copy
		Your phone assumes that you want to change the date, and displays the **Date** field.
8	keypad keys	enter the date information

Press		To
9	▶ (◎)	move to the day, month, and year
10	DONE (◎)	save the copy of the event
11	(✛)	scroll to event details and edit the information as necessary
12	DONE (◎)	store the new event and return to the day view

Deleting an Event

Find the Feature		≣ > Office Tools > Datebook

Press		To
1	(✛)	scroll to the scheduled event day
2	VIEW (◎)	display the day view
3	(✛)	scroll to the event to delete
4	≣	open the Datebook Menu
5	(✛)	scroll to Delete
6	SELECT (◎)	select Delete
		For non-repeating events, the procedure is complete. For repeating events, the phone displays a delete event menu:
a	(✛)	scroll to This Event Only or Repeat Events
b	SELECT (◎)	select the event(s) to delete

Alarm Reminders

Reminders are alerts that ring or vibrate to notify you about a voicemail or text message you have received, or a datebook event you have scheduled. To set or turn off reminders:

Find the Feature		▣ > Ring Styles > *Alert* Detail > Reminders

Press		**To**
1	⊙⁺	scroll to the reminder alert you want: Beep, Vibrate, or Off
		Beep or Vibrate sets the corresponding reminder alert type. Off turns off all reminders.
2	SELECT (⊙)	select the reminder alert

Calculator

You can use your phone as a convenient calculator and currency converter.

Calculating Numbers

Find the Feature		▣ > Office Tools > Calculator

Press		**To**
1	number keys	enter a number in the calculator
2	⊙⁺ (left or right)	highlight a calculator function
3	SELECT (⊙)	perform the highlighted function

Selected function appears here

Entered number

Press ⊙ to scroll to other functions

Calculator

0

+

Press ⊙ to highlight a function

. C = + - X

EXIT ☰ SELECT

Exit the calculator

Press 🗐 to open the **Calculator Menu**

Perform the highlighted function
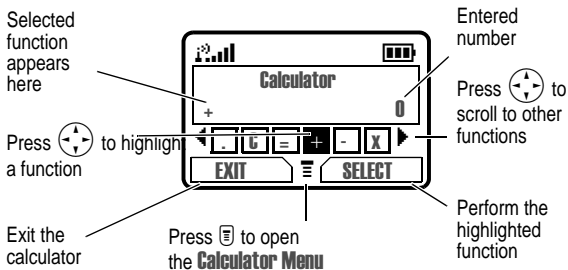
The calculator can perform the following functions:

Function	Description
.	Insert a decimal point
C	Clear the calculation
CE	Clear entry (replaces the C function when you enter more values in a calculation)
+	Add
-	Subtract
X	Multiply
÷	Divide
%	Divide the displayed value by 100
€	Calculate the exchange rate
+-	Change the entry's sign (positive/negative)
MR	Recall the value stored in memory
MS	Store the displayed number in memory
MC	Clear memory

Converting Currency

The currency converter works just like the calculator, using the € (currency) function and the exchange rate you set:

Find the Feature		$\boxed{\equiv}$ > Office Tools > Calculator
		$\boxed{\equiv}$ > Exchange Rate

Press		**To**
1	number keys	enter the exchange rate
2	OK ($\boxed{\cdot}$)	store the exchange rate
3	number keys	enter the amount to convert (amount to multiply by the exchange rate)
4	$\left(\begin{smallmatrix}\cdot \\ \cdot\end{smallmatrix}\right)$ (left or right)	highlight the € function
5	SELECT ($\boxed{\cdot}$)	perform the conversion

News and Entertainment

Mobile Internet

The Web micro-browser lets you access Web pages and Web-based applications (such as on-line banking, shopping, and games) on your phone. Contact your service provider to set up access, if necessary.

Note: Your phone may use a high-speed GPRS (General Packet Radio Service) network connection. This type of connection can be identified by a GPRS indicator (⊞) in the idle display that disappears when you start a micro-browser session. If a C *(connected call) indicator is displayed when you start a micro-browser session, your phone is using a standard voice channel connection. Your network connection charges may vary depending on the type of connection used.*

Setting Up Your Phone for Mobile Internet Access

Note: Your service provider may have set up your phone for Internet access.

You can adjust the mobile Internet network connection settings, or create a new network connection profile:

Find the Feature   📟 > More > Web Sessions
> [New Entry]

Starting a Mobile Internet Session

To open the Web micro-browser:

Find the Feature   📟 > Browser

The micro-browser displays the home page set up by your service provider.

	Press	To
1	⊕	scroll to a bookmark or service, or application
2	**SELECT** (◻)	select the service

Shortcut: If you open a text message with a Web address (URL) in it, you can press ▤ > **Go To** to launch the micro-browser and go directly to the URL.

If you are unable to establish a network connection with the micro-browser, contact your service provider.

Interacting With Web Pages

You can perform the following operations on a Web page:

Do This	To
Press ⊕ up or down	scroll through a page
Press ⊕ left or right	go back to the previous page or forward to the next one
Press ▤	open the **Browser Menu**

Downloading Pictures and Sounds

You can download a file such as a ring tone, wallpaper, screensaver, MotoMixer file, or theme to your phone. To download files with the browser on a desktop computer or your phone:

Do This

1 In the browser, go to the Web site and find the file you want.

2 Follow the directions on the site to purchase the file (payment details vary). The site sends a text message to your phone, containing the attached file or a URL link to the file.

3 Open the message and store the file (see page 68).

Notes:

- *Call charges apply during download sessions.*

- *When your phone runs out of memory for downloaded files, new files overwrite the old ones. Downloaded files share your phone's memory, so you can make room for a picture, for example, by deleting ring tones.*

Phone Themes

A *phone theme* consists of a bundled set of image and sound files with a specific theme (such as a special event or cartoon character) that you can apply collectively to your phone. Phone themes typically include a wallpaper image, screen saver image, and ring tone. Your phone includes several preloaded themes. You can download and install additional themes on your phone.

Downloading Themes

To download a theme from the browser, see page 115. When you install the theme, you can instantly apply its screen saver, wallpaper, and ring tone when your phone prompts you to **Apply theme now?**

Selecting Themes

You can apply any of the themes installed on your phone.

Note: If one of a theme's components is not available, then a default setting is applied.

Find the Feature	🗐 > Media Centre > Theme

Press	**To**
1 ⊕	scroll to the theme that you would like to apply
2 SELECT (⊡)	select the theme

Deleting Themes

You cannot delete the preloaded themes on your phone. To delete one or all of the themes that you have downloaded and installed:

Find the Feature	🗐 > Media Centre > Theme

Press	**To**
1 ⊕	scroll to the theme to delete
2 SELECT (⊡)	select the theme
3 🗐	enter the Theme submenu
4 ⊕	scroll to Delete or Delete All
5 SELECT (⊡)	select the option

Picture Viewer

Your phone contains pictures and animations that you can insert into text messages, and use as wallpaper and screen saver images.

To download pictures or animations, see page 115. Your phone may also include predefined images that are identified by a ★ (predefined object) indicator. You cannot rename, delete, or view details about predefined images.

Find the Feature ⧉ > **Media Centre**
                              > **Picture Viewer**

Press		To
1	⊕	scroll to the picture
2	**SELECT** (⊡)	view the picture
3	⊕ up or down	view the previous/next picture
	or	
	DETAILS (⊡)	view picture information
	or	
	⧉	open the **Picture Viewer** menu to perform other procedures as described in the following list

The **Picture Viewer** menu can include the following options:

Option	Description
Details	View picture information.
Set as Wallpaper	Set the picture as your phone's wallpaper image.

Option	Description
Set as Screen Saver	Set the picture as your phone's screen saver image.
Rename	Rename the picture.
Delete	Delete the picture.

Games

Your phone comes with three games. If you get an incoming call, message, alarm, or alert while playing a game, the game pauses.

In some cases, when the game is over, you may have the option to purchase more advanced game levels.

Selecting and Starting a New Game

Find the Feature   ▤ > Games > *the game*

When the game is over, you can play again or return to the games menu. Depending on the game:

Press	To
BACK (◦) or NO (◦)	return to the games menu
NEW (◦) or YES (◦)	start another session of the game you just played

Ending a Game

You can end a game at any time.

Press	To
BACK (⊡)	end the game session and return to the games menu
or	
⌒	

Playing a Game

Astrosmash

In Astrosmash, your job as Commander is to repel an attack of meteors and spinning bombs. You try to shoot as many meteors, bombs, missiles, and flying saucers as possible without getting hit.

Item	Points	Item	Points
Big Rock	10	Guided Missile	50
Small Rock	20	Small Spinner	80
Big Spinner	40	UFO	100

Rules of the game

- Guided Missiles move toward the Laser Gun.

- UFOs appear when the score is greater than or equal to 5,000. UFOs sweep across the screen and release bombs at the Laser Gun. The bombs cannot be destroyed

- When you shoot a Big Rock, it breaks into 2 Small Rocks.

- When you are out of Laser Guns, the game is over. You lose a Laser Gun if a spinner (both big and small) hits the ground, or if a rock, rock pieces, or a guided missile collides with a Laser Gun.

- Every time the peak score goes up by another 1,000 points, you get another Laser Gun.

How to Play

Press	To
(⁺)	move the Laser Gun
(8 ᴛᴜᴠ)	move the Laser Gun to a random position
(2 ᴀʙᴄ)	toggle control for firing between you and the phone (Auto-Fire)
(5 ᴊᴋʟ)	fire the Laser Gun, if Auto-Fire is off

MotoGP

In this game, you are a MotoGP motorcycle racer. Before the game begins, you have the option to select a rider, a team, and a track.

How to Play

Press	To
(⁺)	accelerate, brake, and turn your motorcycle

Snood 21

In this solitaire game, you try to use all the cards in a deck by making combinations of 21 on any of four columns. When a combination of 21 is created, the cards are discarded, letting you start another combination of 21.

If you finish the first level in one minute, you can move on to the next level.

Rules of the game

- Aces are worth either 1 or 11, Jacks, Queens, and Kings are worth 10, and all other cards are worth the amount written on their faces.

- You can place a wild card in any non-frozen column for an automatic 21.

- When the countdown timer reaches 20 seconds, the word **HURRY** blinks twice in place of the cards left field. If the timer reaches zero and there is a card still on the deck, **OUT OF TIME** appears in place of the cards left field for 2 seconds and the game is over.

- The number of cards in a deck depends on the current level: the first level contains 32 cards (two complete suits plus six wild cards), the second level contains 45 cards (three complete suits plus six wild cards), the third and fourth levels contain 58 cards (all four complete suits plus six wild cards)

- When there are no more cards in the deck, you score 200 times the number of cards left in all the columns.

- Every time you place a card, you score 50 points.

- Whenever the total of all the cards placed on a column is equal to 21, you score 100 times the column's position (21 on the first column scores 100 points, while 21 on the third column scores 300). 5 cards totalling less than 21 in a column is treated as 21.

- If the value of the cards in a column is greater than 21, the column is frozen and marked with an **X** (the column's total displays **BUST**).

- If all the columns become frozen, **NO MORE MOVES** appears in place of the cards left field for 2 seconds, and the game is over.

How to Play

Press	To
①.⊚	place a card on the first column
②ᴬᴮᶜ	place a card on the second column
③ᴰᴱᶠ	place a card on the third column
④ᴳᴴᴵ	place a card on the fourth column

MotoMixer Sound Editor

The MotoMixer lets you edit and save special MIDI-based sound files called *Groove Tunes* on your phone. These sound files are made up of four instrument parts such as *piano*, *bass*, *drums*, and *guitar*. The phone comes preloaded with five base tracks (which cannot be edited or deleted), but you can download others and use them all to create or edit your own MIDI files.

Create or Edit a Mix File

To create or edit a MotoMixer file:

Find the Feature   🗐 > Media Centre > MotoMixer
                                            > [New Mix] or
                                            a tune to edit

Press		To
1	⊕	scroll to a track you want to include in the new mix
2	SELECT (⌐)	select the first base track
3	CHANGE (⌐)	select Name
4	keypad keys	enter a name for the mix file you are creating (see page 30)
5	OK (⌐)	store the name
6	CHANGE (⌐)	select Tempo
7	⊕ left or right	adjust the tempo setting
8	OK (⌐)	store the tempo setting
9	CHANGE (⌐)	select Mix and open the base track editor
10	PLAY (⌐)	start playing/mixing the track
11	keypad keys	edit the base tracks (see following section)

Press	To
12 **STOP** (□)	stop playing/mixing the track
13 **BACK** (□)	close the base track editor
14 **DONE** (□)	close the mix file display

Base Track Editing Display and Keys

You can select the instruments you want to play and when you want to play them.

First column: on/off

Second column: add effect

Third column: set instrument variant

Name of instrument/ track

Piano	◁⊘◁⋯⋯◻
Bass	◁⊘◁⋯⋯◻
Drums	◁⊘◁⋯⋯◻
Guitar	◁⊘◁⋯⋯◻

BACK · ☰ · PLAY
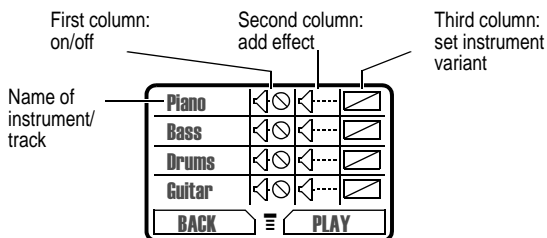
Press **PLAY** (□) to play the mix file. Turn instruments on or off, add effects, and/or set an instrument variant using the following keypad keys.

Key	Effect
(1 .@)	Turn first track (**Piano** in example) on/off
(2 ABC)	Add effect to first track
(3 DEF)	Set instrument variant for first track
(4 GHI)	Turn second track (**Bass** in example) on/off
(5 JKL)	Add effect to second track
(6 MNO)	Set instrument variant for second track

Key	Effect
(7_{PQRS})	Turn third track (**Drums** in example) on/off
(8_{TUV})	Add effect to third track
(9_{WXYZ})	Set instrument variant for third track
(*)	Turn fourth track (**Guitar** in example) on/off
(0+)	Add effect to fourth track
(#)	Set instrument variant for fourth track

The track plays one time and then stops. Press **PLAY** (◻) again to continue mixing the track. Use the following keys to perform additional mix functions:

🗐	Open a sub-menu to reset one or all tracks
BACK (◻)	Return to the **Mix Details** menu when you are finished mixing the track

Note: To download new MotoMixer files, see page 115.

Use, Edit, or Delete a Mix File

To edit or delete a mix file, or set a mix file as a ring tone:

Find the Feature   🗐 > **Media Centre** > **MotoMixer**

Press	**To**
1 (⌃⌄)	scroll to the file you want
2 🗐	open the mix menu
3 (⌃⌄)	scroll to **Edit**, **Delete**, **Play**, or **Set as Ring Tone**
4 **SELECT** (◻)	select the option

Creating Alert Tones

You can create and store custom ring tones on your phone. The ring tones appear in the list of available alerts (see page 40).

Create a Tone

Find the Feature	🗐 > Media Centre > My Tones > [New Tone]

Press		**To**
1	CHANGE (☉)	select Notes
2	keypad keys	enter notes (see following section)
3	OK (☉)	store the notes
4	CHANGE (☉)	select Name
5	keypad keys	enter the name for the tone
6	OK (☉)	store the name
7	DONE (☉)	store the tone

Enter Notes

To create a new ring tone, use the keypad keys to enter notes. For each note, you must specify the octave (optional), pitch, length, and a length modifier (optional). Press a key multiple times to cycle through its available options. Enter the necessary character as described in the following lists.

Octave

The default setting for a new tone is octave four.

Key	Display	Description
⓪⁺	*	enter * followed by a number (0 to 8) to set the octave

Notes and Rests

Key	Display	Description
⓪⁺	#	sharp
	&	flat
②ABC	a	note A
	b	note B
	c	note C
③DEF	d	note D
	e	note E
	f	note F
④GHI	g	note G
⑦PQRS	r	rest

Lengths and Modifiers

Key	Display	Description
⓪⁺	0	whole note
①..@	1	half note
②ABC	2	quarter note
③DEF	3	eighth note
④GHI	4	sixteenth note

Key	Display	Description
(5 jkl)	5	1/32 note
(1.⊕)	.	dotted note
	:	double dotted note
	;	2/3 length note

Note Entry Sequence

	Do This	**Action**
1	Set the octave (optional)	Set the octave (*0 to *8) *before* selecting the note. The octave applies to the note and all following notes until you change it again.
2	Set the note to a sharp or flat, if necessary	Enter a sharp or flat (# or ♭) *before* selecting the note.
3	Select the note (required)	Press a keypad key.
4	Set length (required)	Set the length (0 to 5) *after* selecting the note. If you do not specify a length, a 2 (quarter note) length is appended to the note.
5	Modify length (optional)	Enter a length modifier (. , :, or ;) *after* you set the length.

You can perform the following tasks when creating a tone:

Task	Action
Insert a rest	Enter one or more rests (ᵣ characters) as needed in the tone sequence. Set the length of the rest (0 to 5) *after* the rest, just as you would for a note.
Listen to a new tone as you compose it	Press 🗊 to enter the **Compose Menu**, and select **Play All** to play the notes you have entered.

Example

Press the following keys to create this sequence of notes and rests in octave three: **C** (quarter note), **E flat** (quarter note), **half rest**, and **G** (whole note):

	Press	To	Display
1	⓪ ⓪ ③ᴅᴇꜰ ③ᴅᴇꜰ ③ᴅᴇꜰ ③ᴅᴇꜰ	set octave three	*3
2	②ᴀʙᴄ ②ᴀʙᴄ ②ᴀʙᴄ	enter note **C**	c
3	②ᴀʙᴄ ②ᴀʙᴄ ②ᴀʙᴄ ②ᴀʙᴄ	set length to quarter note	2
4	⓪ ⓪ ⓪ ⓪	enter flat symbol	c
5	③ᴅᴇꜰ ③ᴅᴇꜰ	enter note **E flat**	e
6	②ᴀʙᴄ ②ᴀʙᴄ ②ᴀʙᴄ ②ᴀʙᴄ	set length to quarter note	2
7	⑦ᴘǫʀs	enter **rest**	r
8	①.ₐ	set length to half rest	1
9	④ɢʜɪ	enter note **G**	g
10	⓪	set length to whole note	0

Play a Tone

Find the Feature	〔≣〕 > **Media Centre** > **My Tones**

Press		**To**
1	🔄	scroll to the tone
2	〔≣〕	open the **Tone Menu**
3	🔄	scroll to **Play**
4	**SELECT** (🔘)	select **Play**
5	**PLAY** (🔘)	play the tone again
	or	
	CANCEL (🔘)	return to the my tones list

Edit a Tone

You cannot edit the predefined ring tones included with your phone. To edit a custom ring tone:

Find the Feature	〔≣〕 > **Media Centre** > **My Tones**

Press		**To**
1	🔄	scroll to the tone
2	**EDIT** (🔘)	open the tone details
3	🔄	scroll to the details you want to edit (**Name** or **Notes**)
4	**CHANGE** (🔘)	select the item
5	keypad keys	enter new text or notes
6	**OK** (🔘)	store the new text or notes
7	**DONE** (🔘)	save your changes

Delete a Tone

You cannot delete the predefined ring tones included with your phone. To delete a custom ring tone:

Find the Feature   ≡ > **Media Centre** > **My Tones**

Press		**To**
1	(⊹)	scroll to the tone
2	≡	open the **Tone Menu**
3	(⊹)	scroll to **Delete**
4	**SELECT** (⊡)	select **Delete**

SIM Applications

You can access information and applications stored on your SIM card.

To access the available applications:

Find the Feature   ≡ > **More** > **SIM Applications**

Your SIM card may contain applications that process your outgoing calls, text messages, and other events. Contact your service provider for more information.

Troubleshooting

Check these questions first if you have problems with your phone:

Question	Answer
Is your battery charged? Do you see ▭ in the display?	The battery level indicator should have at least one segment showing (▩). If it does not, recharge your battery. (See page 17.)
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card. (See page 19). If you have problems with your SIM card, contact your service provider.
Does the handset have a signal? Do you see ⌁ in the display?	The signal strength indicator should have at least one segment showing (⌁). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press ⬭ to the right to raise the earpiece volume.
Is the other party unable to hear you?	Your phone may be muted. Press **UNMUTE** (▯) if necessary to unmute the phone.
	Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.

Question	Answer
Has the phone been damaged, dropped, or got wet?	Dropping your phone, getting it wet, or using a non-Motorola battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery charger used?	

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 101.
I pressed the End/Power key, but nothing happened.	Be sure to press and hold ⓞ (the End/Power key) until the display appears and you hear an audible alert (this could take a couple of seconds). If nothing happens, check that the battery is charged. (See page 17.)
I pressed keys, but the display has stopped responding.	You might need to reset your phone.

Problem	Solution
The display says: Insert SIM Card **or** Check SIM Card **even though I have inserted my SIM card in the phone.**	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. See page 19. *Note: Be sure to turn your phone off and then back on after you re-insert the SIM card.* Also, you may have an older SIM card that is not compatible with your phone. Call your service provider for more information.
The display says: SIM Blocked. **How do I unblock my SIM card?**	Call your service provider (the company that sends you your monthly wireless service bill) to obtain the PIN unblocking key (PUK) code. See page 102.
The display says: Enter Unlock Code. **How do I unlock my phone?**	Enter the factory-preset unlock code (1234), or the last four digits of your phone number. (See page 99.) If this fails, call your service provider (the company that sends you your monthly wireless service bill).
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you own the phone but do not know the unlock code, see page 101.

Problem	Solution
My phone does not ring.	If you see ⚡ or 📳 in the display, then the ring tone is turned off. See page 40.
	Also, the ring tone may be set to **Silent** even though your phone is set to a ring alert profile. Be sure to listen to your ring tone before setting it to make sure it is effective in the environment where you use your phone.
My phone rings even though I selected the Silent (or Vibrate) alert profile.	The ring tone may be set to play a tone even though your phone is set to a silent alert profile. See page 41.
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialled the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.
I cannot make/ answer calls.	Make sure that you have a phone signal (see page 25). Avoid electrical or radio interference, and obstructions such as bridges, car parks, or tall buildings.
	Your phone also may have the **Call Barring** feature turned on. If you know the unlock code, you can change this setting in the security menu (▤ > **Settings** > **Security**). Also, check to be sure your SIM card is installed and working.

Problem	Solution
My phone has poor reception and drops calls.	Make sure you have a phone signal (see page 25). Stay clear of any obstructions such as bridges, car parks, or tall buildings.
I cannot hear others on my phone.	While on a call, press the volume key on the left side of your phone. Your phone display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my inbox.	Before you can use text or information services messages, you must set up the appropriate inbox. See page 62.
How do I see the calls I sent or received?	To see the most recent calls you dialled or received, open the "Recent Calls" lists: 🗐 > Recent Calls > Received Calls or Dialled Calls

Problem	Solution
My phone will not dial voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be Long, Short, or Off. If you have trouble sending numbers, check your DTMF setting.
	From the idle display, press:
	🗐 > Settings > Other Settings > Initial Setup > DTMF
	Press ⊙ to scroll to Long or Short.
	Press SELECT (◌) to select it.
My phone's display is too light.	You can change the level of contrast in your phone display. See page 42.
	You can also change the backlight settings. See page 41.
What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, and other factors. For tips on extending your battery life, see page 19.
I can't find a file I downloaded.	You may have deleted the file to make room for a new one. See page 115.

Problem	Solution
I plugged the data cable into my phone but my phone did not beep. How do I know if the data cable is ready to go?	The beep indicates that you are set up correctly. If you did not hear a beep, make sure that both ends of the data cable are connected—the smaller end to your phone and the larger end to your computer. Finally, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a fax or dial-up application, and your computer will automatically activate the port.
My phone beeped when I attached the data cable, but my fax and data applications don't work.	Some wireless networks may not support data or fax transmission. If you are roaming on an unfamiliar network, this may be the case. Also, remember that data and fax transmission usually requires a subscription. Call your service provider for more information.
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone in a standard CSD (Circuit Switch Data) connection. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps. A GPRS connection may have a higher data transfer rate.

Problem	Solution
I can't end my data call by closing the application on my computer. What can I do?	Try pressing ⊚ on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer.
I launched the micro-browser but the display says: Service Not Available.	You may be in an area without service, or you may be connected to a network that does not support Internet access.
I launched the micro-browser but the display says: Data Server Unavailable.	Try again in a few minutes. The servers may be temporarily busy.

Warranty Information

Motorola guarantees 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 nor any warranty obligations applicable to the seller.

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.

(*)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 most cases the authorised Motorola dealer which sold and/or installed your Motorola Personal Communicator and original accessories will honour a warranty claim and/or provide warranty service. Alternatively, for further information on how to get warranty service please contact either the customer service department of your service provider or Motorola's call centre at the telephone numbers below for your country.

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 operator 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.

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 phone should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

Conditions

This warranty will not apply if the type or serial numbers on the Product has been altered, deleted, duplicated, removed, or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation can not 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 warranted 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 antennas 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 cellular system by the cellular operator.

7. Defects or damage due to moist, 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.

Note: 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 service other than the cellular telephone equipment for which it is specified.

Specific Absorption Rate Data

This model phone meets international standards for exposure to radio waves

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.* Tests for SAR are conducted in accordance with CENELEC** testing procedures using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions and locations (e.g., at the ear and worn on the body) that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is: X.XX W/kg.***

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that modifications to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

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* The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.

** CENELEC is a European Union standards body.

*** Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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