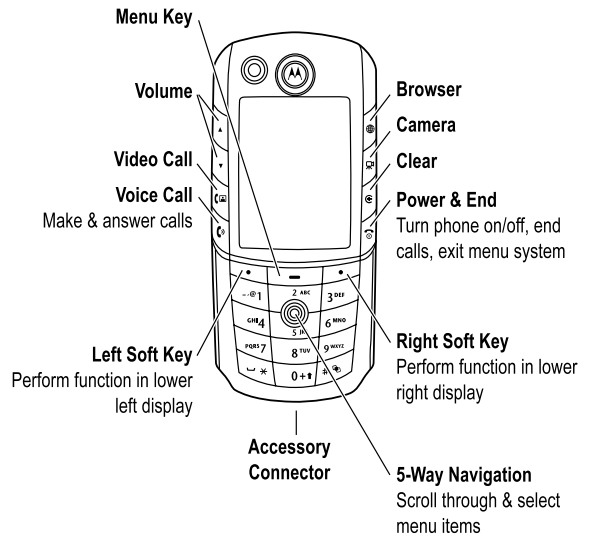# Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola E1000 3G wireless phone.

Menu Key

Volume

Video Call

Voice Call
Make & answer calls

Left Soft Key
Perform function in lower left display

Accessory Connector

Browser

Camera

Clear

Power & End
Turn phone on/off, end calls, exit menu system

Right Soft Key
Perform function in lower right display

5-Way Navigation
Scroll through & select menu items

www.motorola.com

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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 http://www.motorola.com.

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.
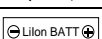
Blasting Caps and Areas

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

$C\epsilon$

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

IMEI: 350034/40/394721/9

$C\epsilon$0168

Type: MC2-41H14

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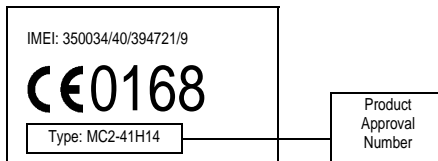
The above gives an example of a typical Product Approval Number.

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

About This Guide

This guide describes the basic features of your Motorola wireless phone.

To obtain another copy of this guide, see the Motorola Web site at:

`http://hellomoto.com`

Optional Features

This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories

This label identifies a feature that requires an optional Motorola Original™ accessory.

Installing the UICC or SIM Card

Your 3G UICC (Universal IC Card) contains your phone number, service details, and phonebook/message memory. Your phone can use GSM SIM (Subscriber Identity Module) cards, but not all features will be available.

Caution: Do not bend or scratch your card. Avoid exposing your card to static electricity, water, or dirt.

1

2

3

4
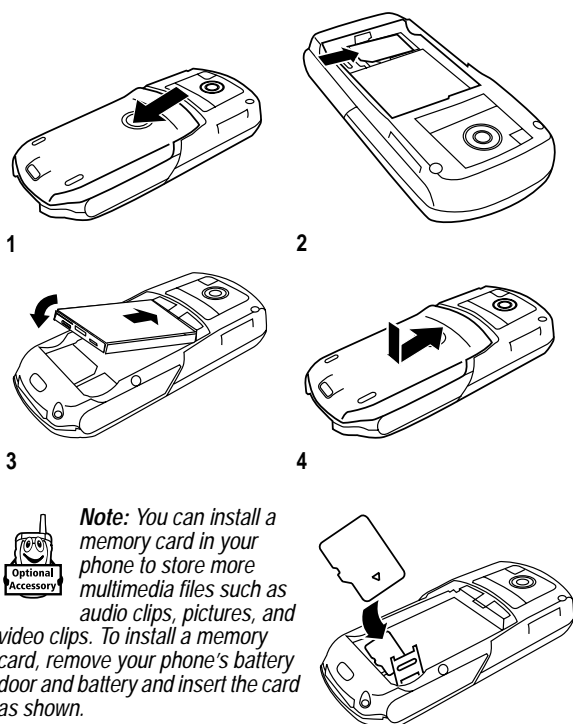
Note: You can install a memory card in your phone to store more multimedia files such as audio clips, pictures, and video clips. To install a memory card, remove your phone's battery door and battery and insert the card as shown.

Battery Use

Battery performance depends on many factors, including your wireless carrier's network configuration; signal strength; the temperature at which you operate your phone; the features and/or settings you select and use; items attached to your phone's accessory connector; and your voice, data, and other application usage patterns.

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 a long time may require a longer 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.

- 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 phone 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.

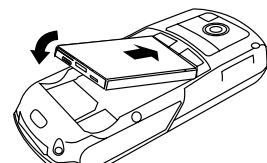**Warning:** Never dispose of batteries in a fire because they may explode.
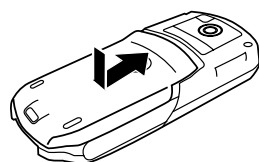
Installing the Battery

™ Your phone is designed to use only Motorola Original™ batteries and accessories.
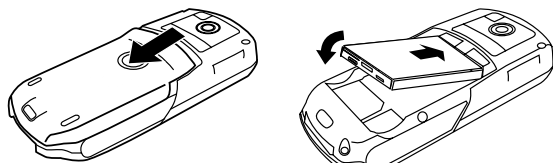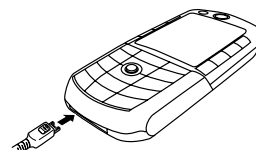

1

2

3

Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

Action

1 Plug the travel charger into your phone with the release tab facing up.

2 Plug the other end of the travel charger into the appropriate electrical outlet.

3 When your phone indicates **Charge Complete**, press the release tab and remove the travel charger.

Tip: You can safely leave the travel charger connected to your phone after charging is complete. This will not damage the battery.

Turning Your Phone On

Action

1 Press and hold 🔘 for 2 seconds to turn on the phone.

Power Key

2 If necessary, press ·Ô· to scroll to the User Account you want. Then press the **SELECT** key to select the account from the list (stored on the SIM card).

Action

3 If necessary, enter your SIM card PIN code and press the **OK** key to unlock the SIM card.

Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays **SIM Blocked**.

4 If necessary, enter your four-digit unlock code and press **OK** key to unlock the phone.

Tip: The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the up or down volume keys to:

- increase or decrease earpiece volume during a call

- increase or decrease speakerphone volume during a call

Volume Keys

- increase or decrease the ringer volume setting when the home screen is visible

  Tip: At the lowest volume setting, press the down volume key once to switch to vibrate alert. Press it again to switch to silent alert. Press the up volume key to cycle back to vibrate alert, then ring alert.

- turn off an incoming call alert
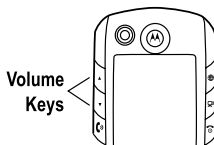
Making a Call

To make video calls, see p a g e29.

Press		To
1	keypad keys	dial the phone number
2	📞	make the call
3	🔘	end the call and "hang up" the phone when you are finished

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted (see pag e68).

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

Press		To
1	📞	answer the call
	or	
	DIVERT or 🔘	divert the call to your voicemail or call divert number, as though your line was busy
2	🔘	end the call and "hang up" the phone when you are finished

Changing the Call Alert

In the home screen, press the down volume key to switch the alert for incoming calls and other events to vibrate alert, then silent alert. Press the up volume key to reset ring alert.

Viewing Your Phone Number

To view your phone number from the home screen, press 🔳 🏷.

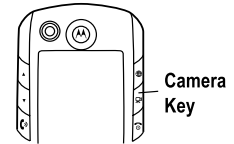While you are on a call, press 🔳 > **My Tel. Numbers**.

Note: *Your phone number must be stored on your SIM card to use this feature. To store your phone number on the SIM card, see page 60. If you do not know your phone number, contact your service provider.*
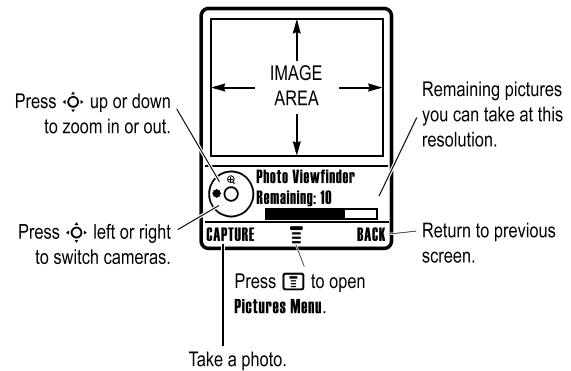
Highlight Features

You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.

Taking and Sending a Photo

To activate your phone's camera, press the camera key on the right side of your phone.

The active viewfinder image displays.

Camera Key

Press ·Ò· up or down to zoom in or out.

IMAGE AREA

Remaining pictures you can take at this resolution.

Photo Viewfinder
Remaining: 10

CAPTURE   BACK

Press ·Ò· left or right to switch cameras.

Return to previous screen.

Press ▤ to open **Pictures Menu**.

Take a photo.

Point the camera lens at the photo subject, then:

Press	To
1 **CAPTURE** key	take a photo
	Tip: Press ✳ to turn the light on or off
2 **OPTIONS** key	view storage options
	If you choose to store the photo, continue to step 3.
or	
DISCARD key	delete the photo and return to active viewfinder
3 ·Ò· up or down	scroll to an option
4 **SELECT** key	select the option

Press ▤ to open the **Pictures Menu** when the camera is active. The menu can include the following options:

Option	Description
Go To Pictures	View pictures and photos stored on your phone.
Internal / External View	Switch between the internal (self-portrait) and external cameras.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Light	Turn the camera light on or off.
Adjust Brightness	Change the image brightness.
Pictures Setup	Open the setup menu to adjust picture and video settings.
View Free Space	See how much memory remains for storing pictures.

Tip: To assign a stored picture to a phonebook entry, open the entry and press ▤ > **Edit** > **Picture**. You cannot assign pictures to entries stored on your SIM card.

Using Photos and Pictures

You can send your photos to other wireless phone users or email addresses, assign photos to specific phonebook entries, and use them as wallpaper or screen saver images.

Downloading Pictures

Your phone may contain predefined photos, pictures, and animations. You can download and store additional images on your phone.

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

Note: The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

Viewing and Managing Pictures

To view a photo, picture, or animation stored on your phone:

Find the Feature   ▤   > **Multimedia** > **Pictures**

Press	To
1 ·Ò· up or down	scroll to the picture
2 **VIEW** key	view the picture

Press		To
3	·Ò·	view the next/previous picture
	or	
	▣	open the **Pictures Menu** to perform other options

Tip: You can change the way your picture list displays using the **Setup** option in the **Pictures Menu**.

Press ▣ to open the **Pictures Menu** from the picture list. The menu can include the following options:
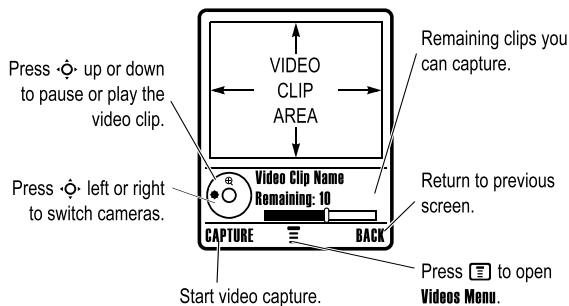
Option	Description
Send in Message	Insert selected picture in a new message.
Apply as	Set the picture as your phone's **Wallpaper** or **Screen Saver** image.
New	Capture a new picture or create an album of stored pictures.
Details	View picture information.
Rename	Rename the picture.
Delete	Delete the selected picture or marked picture(s).
Move	Move selected picture or marked picture(s) to another device.
Copy	Copy selected picture or marked picture(s) to another device.
Mark	Mark the picture to move, copy, send or delete it.
Mark All	Mark all pictures to move, copy, send, or delete them.

Option	Description
Categories	Create a new category, or view pictures in a selected category.
Assign to Category	Assign the picture to a defined category.
Pictures Setup	Open the setup menu to adjust picture and video settings.
View Free Space	View memory space available for storing pictures.

Recording Video Clips

To record a video on your phone:

Find the Feature ▣ > **Multimedia** > **Record Video**

The active viewfinder image displays.

Press ·Ò· up or down to pause or play the video clip.

Press ·Ò· left or right to switch cameras.

VIDEO CLIP AREA

Video Clip Name
Remaining: 10

CAPTURE ≡ BACK

Remaining clips you can capture.

Return to previous screen.

Press ▣ to open **Videos Menu**.

Start video capture.

Point the camera lens at the video subject, then:

Press		To
1	**CAPTURE** key	start the video
		Tip: You can press the **PAUSE** key to pause video capture.
2	**STOP** key	stop the video
3	**OPTIONS** key	view storage options
		If you choose to store the video, continue to step 4.
	or	

Press		To
	DISCARD key	delete the video and return to active viewfinder
4	·Ò· up or down	scroll to an option
5	**SELECT** key	select the option

Press ▣ to open the **Videos Menu** when the camera is active. The menu can include the following options:

Option	Description
Go To Videos	View videos stored on your phone.
Internal / External View	Switch between the internal (self-portrait) and external cameras.
Video Setup	Open the setup menu to adjust picture and video settings.
View Free Space	See how much memory remains for storing videos.

Using Video Clips

You can download video clips with the micro-browser, and receive video clips in multimedia messages.

Downloading Video Clips

To download a video clip with the micro-browser, see page29. To store a video clip from a message, see page82.

Viewing and Managing Video Clips

To play a video clip stored on your phone:

Find the Feature ▣ > **Multimedia** > **Videos**

Press		To
1	·Ò· up or down	scroll to the video clip
2	**PLAY** key	start video clip playback

During video clip playback, press 🗐 to open the **Videos Menu** to perform various operation on the video:

Option	Description
Play Full Screen	Stretch the video to fill the display.
Send in Message	Insert selected video in a new message.
Zoom	Zoom in or out on the video.
New	Capture a new video.
Details	View video information.
Delete	Delete the selected video.
Move	Move selected video or marked video(s) to another device.
Copy	Copy selected video or marked video(s) to another device.
Mark	Mark the video to move, copy, send or delete it.
Mark All	Mark all video to move, copy, send, or delete them.
Categories	Create a new category, or view videos in a selected category.
Assign to Category	Assign the video to a defined category.

Option	Description
Video Setup	Open the setup menu to adjust video settings.
View Free Space	View memory space available for storing videos.

Making Video Calls

If you call someone else who has a video phone, you can see each other while you talk.

Press		To
1	keypad keys	dial the phone number
2	🖭	display the video call preview
3	🖭	make the call
4	🖭	end the call and "hang up" the phone when you are finished

Micro-Browser

The micro-browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.

Your phone may use a high-speed *General Packet Radio Service* (GPRS) network connection. This type of connection is identified by a 📶 (GPRS) indicator in the home screen that disappears when you start a micro-browser session. If you see an 📳 (in-call) indicator during a micro-browser session, your phone is using a standard voice channel connection. The type of network connection your phone uses depends on your service provider's network. Your network connection charges may vary depending on the type of connection used.

Note: Some features on your phone might open a browser session automatically.

Starting a Micro-Browser Session

Press		To
1	🌐	start the micro-browser
2	·Ò· up or down	scroll to a bookmark, service, or application
3	**SELECT** key	select the item

If you open a text message with a Web address (URL) embedded 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

Press	To
·Ò· up or down	scroll through text, or highlight a selectable item
SELECT key	select the highlighted item
keypad keys, followed by the **OK** key	enter information **Tip:** Press 🔙 to delete one letter at a time if you make a mistake.
BACK key	go back to the previous page
🗐	open the **Browser Menu**

Downloading Objects From a Web Page

You can download a picture, sound, or other object from a Web page by selecting its link. You can store these media objects and use them as wallpaper images, screen saver images, and event alerts.

- The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

- If you receive a call during the download, press the **SWAP** key to answer the call without ending the download.

- To end a download in progress, press 🖭.

Selecting or Creating a Web Session

Use this feature to select or create a Web session, or network connection profile. You can use different Web sessions to connect to the Internet in different ways.

Find the Feature	🗐 > **Web Access** > **Web Sessions**

Contact your service provider to obtain Web session settings, if necessary.

Running the Micro-Browser in the Background

Some phones are set up to run a micro-browser session in the background when the phone registers with a network. This lets your phone display information services messages sent by your service provider (such as stock updates, news headlines, or sports scores). These types of services typically are available through subscription from your service provider.

Setting Up Browser Messages

Find the Feature	🗐 > **Messages** > **Browser Msgs**

Option	Description
Off	stops all browser messages
Receive All	allows all browser messages
Restricted	allows only browser messages from your service centre number

Connecting Your Phone to Another Device

You can connect your phone to a computer or hand-held device using a:

- Bluetooth® wireless link (see pag e33)
- USB cable

Note: *Not all devices are compatible with all types of connections. Check your external device for specifications.*

Setting Up a Cable Connection

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

Note: *Check your computer or hand-held device to determine the type of cable you need.*

Action

1   Plug the end of the cable with the Motorola logo into the 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 device.

Setting Up a Bluetooth® Wireless Connection

Your phone supports Bluetooth wireless connections. You can set up a wireless link with a compatible headset accessory, speakerphone, or handsfree car kit, or connect to a computer or hand-held device to exchange and synchronise data.

Your phone supports the following Bluetooth device profiles:

- headset
- handsfree
- dial-up networking
- object exchange
- file transfer

Before connecting your phone to another Bluetooth device, set up the other device as described in its user guide.

For a PC, set up the Bluetooth accessory card, card drivers, and application software. If you want to use Dial-up Networking Services, configure them for the Bluetooth modem as described in the software and modem user guides.

Your phone must be within 33 feet (10 metres) of the other device.

Searching For Handsfree Devices

To connect your phone to a headset or handsfree accessory:

Find the Feature   ☰   > **Settings** > **Connection**
   > **Bluetooth Link** > **Handsfree**
   > **[Look For Devices]**

Your phone presents a list of handsfree device(s) located within range of the phone. If your phone is already connected to a device, your phone lists the connected device and identifies it with a ✓ (in use) indicator.

To connect to a device, highlight the device name and press the **SELECT** key. To disconnect a device, highlight the device name and press the **DROP** key.

The device may request permission to bond with your phone. Select the **YES** key and enter the correct PIN code to create a secure connection with the device. When the connection is made, the ✪ (Bluetooth) indicator or a **Bluetooth Connected** message displays in the home screen.

Connecting to Recognised Handsfree Devices

Your phone stores the names of previously connected devices, and lists the recognised devices located within range of the phone when you open the **Handsfree** menu. If your phone is already connected to a device, your phone lists the connected device and identifies it with a ✓ (in use) indicator.

To connect to a recognised handsfree device:

Find the Feature   ☰   > **Settings** > **Connection**
   > **Bluetooth Link** > **Handsfree**
   > *device name*

For a Motorola headset or other audio device, your phone automatically attempts to connect to the device.

To disconnect a device, highlight the device name and press the **DROP** key.

Switching To a Headset Or Car Kit During a Call

You can switch to a headset or car kit audio device during a call, either from the audio device or from your phone.

Switching From the Audio Device

To connect to your phone from a headset or car kit audio device, press the device's Bluetooth® button to route all audio to the device.

Switching From Your Phone

To connect your phone to a recognised headset or car kit audio device, press ☰ > **Use Bluetooth** during a call to route all audio to the device. Your phone attempts to reconnect to the most recently used audio device.

To switch back to the phone, press ☰ > **Use Handset** during a call to route all audio back to the phone.

Making Your Phone Visible to Other Devices

To allow a new Bluetooth® device to discover and connect to your phone:

Find the Feature   ☰   > **Settings** > **Connection**
   > **Bluetooth Link** > **Setup** > **Find Me**

The ✪ (Bluetooth) indicator or Bluetooth message flashes, and the phone goes into discoverable mode until a connection is made, or until 60 seconds elapse.

The device may request permission to bond with your phone. Select the **YES** key and enter the correct PIN code to create a secure connection with the device.

Sending Objects to Another Device

You can use a Bluetooth® wireless connection to copy a picture, sound, phonebook entry, datebook event, or bookmark from your phone to another phone, computer, or hand-held device.

Highlight the item on your phone that you want to copy to the other device, then press ☰ > **Send** > **Bluetooth**.

Select a recognised device name listed in the **Object Exchange** menu, or **[Look For Devices]** to search for the device to which you want to copy the item.

Editing Device Properties

To edit the properties of a recognised device, highlight the device name and press ☰ > **Edit**. You can edit the following options:

Option	Description
Name	The name of the device as it displays in the device list.
Access	Determines how a device connects to the phone: **Automatic**: Device is automatically connected to the phone without user interaction. **Ask**: Device must request permission to connect.

Setting Your Phone's Bluetooth Options

Find the Feature   ☰   > **Settings** > **Connection** > **Bluetooth Link** > **Setup**

You can set the following options. Some options may not be available for all phone models.

Option	Description
Power	Set to **On** to enable Bluetooth functionality on your phone. Set **Off** to disable Bluetooth when you want privacy or when Bluetooth use is prohibited.
Name	Your phone's device name that is sent to other Bluetooth devices.
Voice Dial	Set to **On** to transfer voice key functionality to the Bluetooth button on a headset accessory when connected. *Note: This feature may not work with all headset accessories.*

Learning to Use Your Phone

See page1 for a basic phone diagram.

Using the Display

The *home screen* is displayed when you are *not* on a call or using the menu. You must be in the home screen to dial a phone number.

Date — Service Provider 10/15/03
Recent Calls
Phonebook
Left Soft Key Label — STYLES
Messages
Multimedia
Clock — 10:30
Right Soft Key Label — CAMERA
Menu Indicator
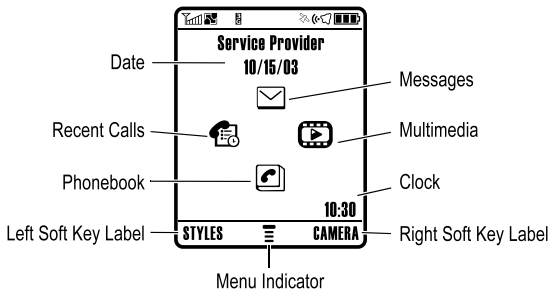
Press the 5-way navigation key (·◇·) left, right, up, or down to select one of the menu feature icons. If you select a menu icon by mistake, press ◌ to return to the home screen.

Note: Your home screen may look different from the display shown above. For example, your service provider may hide the menu feature icons to allow a better view of the wallpaper image. You can still select the menu icons when they are hidden from view.

The ☰ (menu) indicator indicates that you can press the menu key (▤) to enter the main menu.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key or right soft key to perform the function indicated by the left or right soft key label.

The following status indicators can display:

4. Roam
5. Active Line
6. IM
7. Message
3. Data
8. Location
2. GPRS
9. Ring Style
1. Signal
10. Battery

Service Provider 10/15/03
STYLES   CAMERA
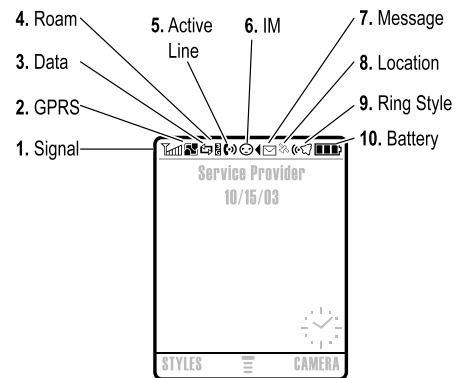
1. Signal Strength Indicator

Vertical bars show the strength of the network connection. You cannot make or receive calls when the ▼ (no signal) indicator or ▼⊘ (no transmit) indicator is displayed.

2. GPRS Indicator

Shows that your phone is using a high-speed General Packet Radio Service (GPRS) network connection. GPRS allows faster data transfer speeds. Indicators can include:

▧ = GPRS PDP context activate   ▧ = GPRS attach

ᒲ = GPRS packet data available

3. Data Transmission Indicator

Shows connection and data transmission status. Indicators can include:

▦ = secure packet data transfer

▦ = unsecure packet data transfer

▣ = secure application connection

▣ = unsecure application connection

⇆ = secure Circuit Switch Data (CSD) call

⇆ = unsecure CSD call

4. Roam Indicator

Shows when your phone is seeking or using another network outside your home network. Indicators can include:

▨ = 3G home

▲ = 3G roam

▨ = 2.5G home

▲ = 2.5G roam

▨ = 2G home

▲ = 2G roam

5. Active Line Indicator

Shows (•) to indicate an active call, or (↩ to indicate when call diverting is on. Icons for dual-line SIM cards can include:

(¹ = line 1 active

(² = line 2 active

(↱ = line 1 active, call divert on

(↱ = line 2 active, call divert on

6. Instant Messaging Indicator

Shows when Instant Messaging (IM) is active. Indicators can include:

☺•) = IM active

☺◀ = available for IM

☎ = busy

☺⊘ = invisible to IM

(◀ = available for phone calls

●⊗ = offline

When a Java™ application is active, a ♣ (Java midlet) indicator can display in this location.

7. Message Indicator

Displays when you receive a new message. Indicators can include:

✉ = text message

✉ = voicemail message

▣ = voice and text message

☞ = answering machine

▤ = IM message

8. Location Indicator

Your phone may be able to send location information to the network during an emergency call. Indicators show when your phone is sending location information:

⋈ = location on

✦ = location off

9. Ring Style Indicator

Shows the ring style setting.

((⊴ = loud ring	⊴ = soft ring
⅗⊴ᶘ = vibrate and ring	⅀⊴ = vibrate then ring
⅗▣ᶘ = vibrate	∅⊴ = silent

10. Battery Level Indicator

Vertical bars show the battery charge level. Recharge the battery when **Low Battery** displays and the battery alert sounds.

Using the 5-Way Navigation Key

Use the 5-way navigation key (·◊·) to scroll up, down, left, or right in the menu system. Press the centre of the key (·●·) to select a highlighted menu item.

5-Way Key
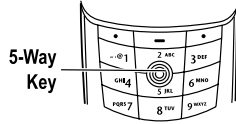
Using Menus

From the home screen, press ▤ to enter the main menu.

Menu Key
Enter menu system, or open sub-menu.

Highlighted Menu Feature Icon.

Left Soft Key
Perform left function.

Right Soft Key
Perform right function.

5-Way Navigation Key
Scroll **up**, **down**, **left**, or **right**. Press centre select button to perform right soft key function.

End Key
Exit menu without making changes.
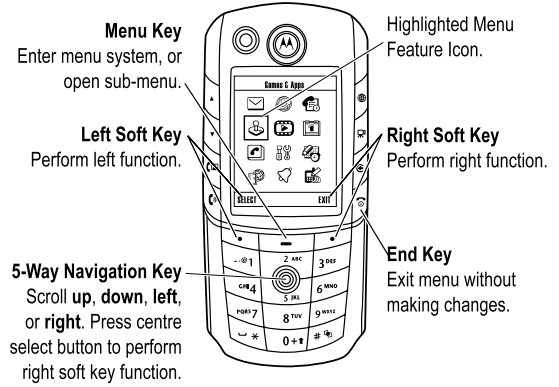
Press ·◊· to scroll to and highlight a menu feature icon in the main menu. The following icons may display in the main menu, depending on your service provider and service subscription options.

Icon	Feature	Icon	Feature
✉	**Messages**	◎	**Browser**
☏	**Recent Calls**	♨	**Games & Apps**
▥	**Multimedia**	▤	**Datebook**
☎	**Phonebook**	⚙	**Settings**
🖧	**Tools**	☞	**Web Access**
♢	**Ring Styles**	✍	**Personalise**
🗐	**IM**	👥	**Chat**

Selecting a Menu Feature

To select a menu feature, starting from the home screen:

Find the Feature   ▤   > **Recent Calls** > **Dialled Calls**

This example shows that from the home screen, you must press ▤, scroll to and select ☏ **Recent Calls** from the main menu, then scroll to and select **Dialled Calls**. Press ·◊· to scroll to and select items. Press the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Selecting a Feature Option

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

Dialled Calls
- 10) John Smith
- 9) Lisa Owns
- 8) Adda Thomas
- 7) Jack Bradshaw
- 6) Dave Thompson
- 5) John Smith
- 4) Carlo Emrys
- 3) Derek Jones

VIEW   ▤   BACK

Highlighted Option.

Press **VIEW** to view details of highlighted option.

Press **BACK** to go back to previous screen.

Press ▤ to open sub-menu.
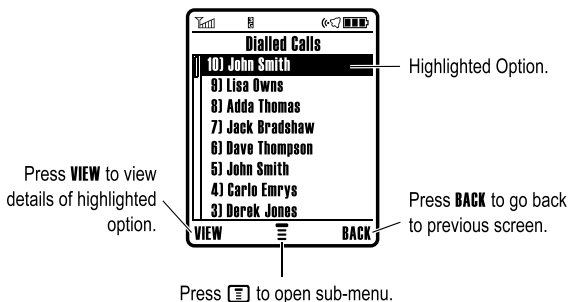
- Press ·◊· to scroll up or down to highlight the option you want.
- In a numbered list, press a number key to highlight the option.
- In an alphabetised list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list option.

- When an option has a list of possible values, press ·◊· left or right to scroll through and select a value.
- When an option has a list of possible numeric values, press a number key to set the value.

Entering Text

Some features require you to enter information.

Entry Details
- Name: John Smith
- Category: General
- No.: 2125551212
- Type: Work
- Store To: Phone
- Voice Name:
- Speed #: 2
- Ringer ID: Continental

CHANGE   CANCEL

Highlighted Option.

Press ·◊· to scroll down to other options.

Press **CHANGE** key to enter or edit information.

Press **CANCEL** key to exit without making changes. **DONE** displays ehen you enter or edit information.
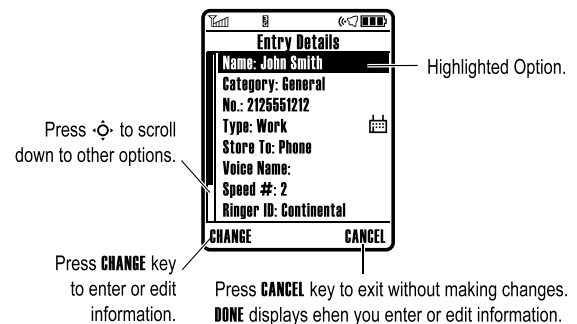
The message centre lets you compose and send text messages.

For indicator descriptions, see following section.

Flashing cursor indicates insertion point.

Press ☰ to open sub-menu.

Press **INSERT** to insert a quick note, picture, or sound.

Press **SEND TO** to enter the recipient.
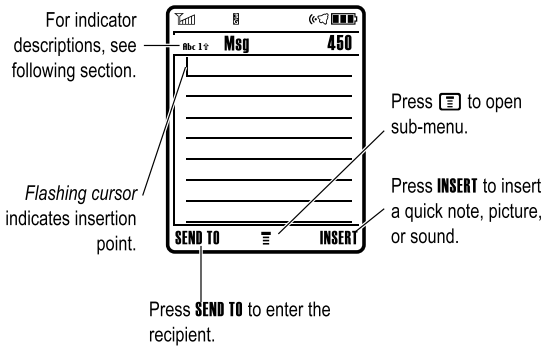
Choosing a Text Entry Mode

Multiple text entry modes make it easy for you to enter names, numbers, and messages. The mode you select remains active until you select another mode.

Press ⌗ in any text entry screen to select one of the following entry modes:

Primary	The primary text entry mode (see the following section).
Numeric	Enter numbers only (see page 52).
Symbol	Enter symbols only (see page 52).
Secondary	The secondary text entry mode (see below to set).

Alternatively, you can select a text entry mode in any text entry screen by pressing ☰ > **Entry Mode**.

Setting Up a Text Entry Mode

Press ☰ > **Entry Setup** from any text entry screen. Select **Primary Setup** or **Secondary Setup**, and choose:

iTAP	Let the phone predict each word as you press keys (see page 51).
Tap	Enter letters and numbers by pressing a key one or more times.
Tap Extended	Enter letters, numbers, and symbols by pressing a key one or more times.
None	Hide the Secondary setting (only available for Secondary Setup).

Using Capitalisation

Press ⓪ in any text entry screen to change text case. The following indicators show capitalisation status:

abc = no capital letters   **Abc** = capitalise next letter only
ABC = all capital letters

Text Entry Mode Indicators

When you select the **Primary** or **Secondary** text entry mode, the following indicators identify the text entry setting:

Primary	Second.	
1	**2**	Tap, no capital letters
1⇧	**2⇧**	Tap, capitalise next letter only
1↑	**2↑**	Tap, all capital letters
1📖	2📖	iTAP, no capital letters

Primary	Second.	
1📖⇧	2📖⇧	iTAP, capitalise next letter only
1📖↑	2📖↑	iTAP, all capital letters

Two other indicators identify **Numeric** (**123**) or **Symbol** (**@%**) entry modes.

Using Tap Mode

This is the standard mode for entering text on your phone.

Regular **Tap** mode cycles through the letters and number of the key you press. **Tap Extended** also cycles through additional symbols as shown in the chart on page 50.

	Press	To
1	A keypad key one or more times	select a letter, number, or symbol
2	keypad keys	enter remaining characters
		Tip: Press ·Ó· right to accept a word completion, or ✳ to insert a space.
3	**OK** key	store the text

In a text entry screen, you can press ⌗ to switch entry modes. If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry mode, see page 47.

When you enter text with **Tap** or **Tap Extended**, the soft key functions change.

Block cursor indicates highlighted character. After 2 seconds, character is accepted and cursor moves to next position.

Press ✳ to delete character to left of insertion point.

Press **CANCEL** to exit without storing changes.

Press **SEND TO** to enter the recipient.
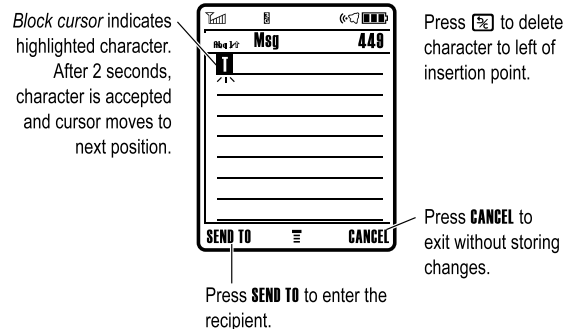
When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:
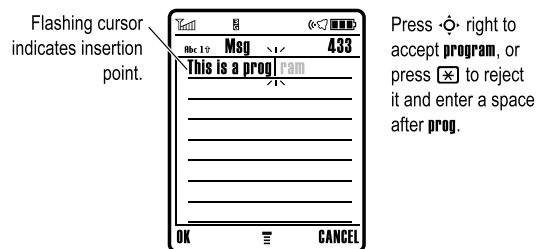
Flashing cursor indicates insertion point.

Press ·Ó· right to accept **program**, or press ✳ to reject it and enter a space after **prog**.

If you want a different word (such as **progress**), continue pressing keypad keys to enter the remaining characters.

Character Chart

Use this chart as a guide for entering characters with **Tap Extended**.

①	. ? ! , @ ' - _ : ; ( ) & " ~ 1 0 ¿ ¡ % £ $ ¥ ¤ € + x * / \ [ ] = > < # §
②	a b c 2 á à â ã ç æ
③	d e f 3 é è ê ë
④	g h i 4 í î ï
⑤	j k l 5
⑥	m n o 6 ñ ó ò ô õ œ
⑦	p q r s 7
⑧	t u v 8 ú ù û ü
⑨	w x y z 9
⓪	change text case, for capital letters
⊠	enter a space (hold to enter a return)
#	change text entry mode (hold for default)

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor, ① first shows common characters for that editor.

Tap Text Entry Rules

- Press a keypad key repeatedly to cycle through its characters.
- Press ·Ọ· left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalised. If necessary, press ·Ọ· down to force the character to lowercase before the cursor moves to the next position.

- If you enter or edit information and do not want to save the changes, press ☎ to exit without saving.

Using iTAP™ Mode

iTAP™ software provides a predictive text entry mode that lets you enter a word using one keypress per letter. This can be faster than **Tap**, because your phone combines the keypresses into common words.

For example, if you press ⑦⑦⑥④, letter combinations that match your keypresses display:

Press ⊠ to delete character to left of insertion point.

Press ·Ọ· up to accept **program**.

Press ·Ọ· right to highlight another combination. Press ⊠ to enter **prog** and a space.

Press **SELECT** to lock highlighted combination.

Press **CANCEL** to exit without storing changes.

If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining characters.

Entering Words

In a text entry screen, you can press # to switch entry modes. An indicator shows which mode is active (see page 47). If **iTAP** mode is not available as the **Primary** or **Secondary** entry mode, see pag e47.

Press		To
1	keypad keys (one press per letter)	show possible letter combinations at the bottom of the screen
2	·Ọ· left or right	highlight the combination you want
3	**SELECT** key	lock a highlighted combination You can press keypad keys to add more letters to the end of the combination.
	or	
	⊠	enter the highlighted combination when it spells a word A space is automatically inserted after the word.

If you enter a word your phone does not recognise, the phone stores it to use as one of your word options. When you fill memory space for unrecognised words, your phone deletes the oldest words to add new words.

Using Numeric Mode

In a text entry screen, press # to switch entry modes until the **123** (**Numeric**) indicator displays.

Press keypad keys to enter the numbers you want. When you finish entering numbers, press # to switch to another entry mode.

Using Symbol Mode

In a text entry screen, press # to switch entry modes until the **@%** (**Symbol**) indicator displays.

Press		To
1	keypad keys (one press per symbol)	show possible symbols at the bottom of the display
2	·Ọ· left or right	highlight the symbol you want
3	**SELECT** key	enter the highlighted symbol

Symbol Chart

Use this chart as a guide for entering characters with symbol mode.

①	. ? ! , @ ' - _ : ; ( ) & " ~ 1 0 ¿ ¡ % £ $ ¥ ¤ € + x * / \ [ ] = > < # §
②	@ _ \ α ß
③	/ : ; δ Δ ε φ Φ
④	" & ' γ Γ η ι
⑤	( ) [ ] { } κ λ Λ
⑥	¿ ¡ ~ μ ν ω Ω
⑦	< > = π Π ρ σ Σ
⑧	$ £ ¥ ¤ € θ Θ τ υ
⑨	# % * ζ ξ Ξ χ ψ Ψ
⓪	+ - x * / = > < # §
⊠	enter a space (hold to enter a return)
#	change text entry method (hold for default)

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor, ① first shows common characters for that editor.

Deleting Letters and Words

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

Action
Press 🔳 to delete one letter at a time.
Hold 🔳 to delete the entire message.

Copying, Cutting, and Pasting Text

Press 🔳 from a text entry screen to display these options:

Option	Description
Copy Text	Copy the text you are about to highlight (see "Highlighting Text" below).
Copy All Text	Copy all text in the editor.
Cut Text	Cut the text you are about to highlight (see "Highlighting Text" below)
Cut All Text	Cut all text in the editor.
Paste	Paste the text you cut or copied.
Undo	Undo the last copy, cut, or paste in the current text editor.

Note: Copy All Text *also displays in the menu (press* 🔳*) when you are viewing details for a* Phonebook *entry,* Datebook *event,* Browser *page, text message, or* Recent Calls *entry.*

Highlighting Text

In a text editor, to highlight and copy or cut text:

Find the Feature　　　🔳　　> Copy Text *or* Cut Text

	Press	To
1	·Ô·	scroll to the beginning of the text you want to copy or cut
2	START key	turn on the highlighting marker
3	·Ô·	scroll to the end of the text you want to copy or cut
4	COPY key	copy or cut the text you selected
	or	You can now paste the text in another location or file.
	CUT key	

Text remains on your clipboard, available to paste, until you copy or cut other text or until you turn off your phone.

Using Special Keys

Your phone has special keys that give you quick access to common tasks.
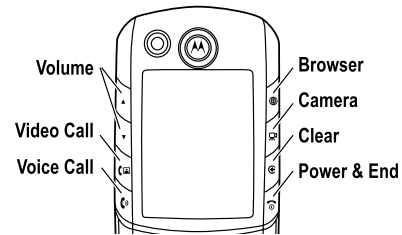
- **Volume Keys:** Adjust earpiece volume during a call, or ringer volume from the home screen (see page18).
- **Video Call Key:** Make a video call to a number you entered (see pag e29).

- **Voice Call Key:** Make a voice call to a number you entered (see pag e19).
- **Browser Key:** Launch the micro-browser (see   page29).
- **Camera Key:** Display the camera viewfinder (see page21).
- **Clear Key:** Delete one character or move back one screen in the browser.
- **Power & End Key:** Turn phone on and off, end calls or exit the menu system (see page17).

Using the Handsfree Speaker

When you activate your phone's integrated handsfree speaker, you can talk to the other party without holding the phone to your ear.

Press the SPEAKER key to turn the handsfree speaker on or off during a call.

When you turn the handsfree speaker on, your phone displays Speaker On in the home screen. The handsfree speaker remains on until you press the SPEAKER key again or turn the phone off.

Note: *The handsfree speaker is disabled when you connect your phone to a handsfree car kit or headset accessory.*

Changing a Code, PIN, or Password

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Your service provider may reset these codes before you receive your phone.

If your service provider has not reset these codes, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain 4 digits, and the security code must contain 6 digits.

You can also reset your SIM card PIN code or PIN2 code, if necessary.

To change a code or password:

Find the Feature　　　🔳　　> Settings > Security
　　　　　　　　　　　　　　　　> New Passwords

Locking and Unlocking Your Phone

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

To use a locked phone, you must 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 68).

Locking Your Phone Manually

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

	Press	To
1	keypad keys	enter your unlock code
2	OK key	lock the phone

Unlocking Your Phone

Your phone's unlock code is originally set to 1234. Many service providers reset the unlock code to the last 4 digits of your phone number.

At the **Enter Unlock Code** prompt:

Press		To
1	keypad keys	enter your unlock code
2	**OK** key	unlock your phone

Setting 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 unlock code
2	**OK** key	activate automatic lock

Locking and Unlocking the Keypad

Press ▤ ✳ to lock or unlock the keypad. This feature prevents an accidental keypress from inadvertently dialling an emergency number or one-touch dial number (for example, when carrying your phone in a purse or pocket).

Note: You can still answer calls when the keypad is locked.

If You Forget a Code, PIN, or Password

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Many service providers reset the unlock code to the last 4 digits of your phone number before you receive your phone.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, at the **Enter Unlock Code** prompt:

Press		To
1	▤	display the unlock code *bypass* screen
2	keypad keys	enter your *security code*
3	**OK** key	submit your security code

If you forget your security code, SIM card PIN code, or PIN2 code, contact your service provider.

Setting Up Your Phone

Storing Your Name and Phone Number

To store or edit your name and phone number information on your SIM card:

Find the Feature   ☰   > **Settings** > **Phone Status**
                                  > **My Tel. Numbers**

Shortcut: Press ☰ # from the home screen to view or edit your name and phone number.

If you do not know your phone number, contact your service provider.

Setting the Time and Date

Your phone uses the time and date for the **Datebook**.

Find the Feature   ☰   > **Settings** > **Initial Setup**
                                  > **Time and Date**

Setting a Ring Style

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an *alert*.

You can select one of five different ring styles. The ring style indicator in the display shows the current ring style (see page42).

To set a ring style:

Find the Feature   ☰   > **Ring Styles** > **Style**

Press		To
1	·�‌◊‌· up or down	scroll to the ring style
2	**SELECT** key	select the ring style

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press ☰ > **Ring Styles** > *style* **Detail**.

- If you select the **Silent** ring style, your phone will not use **Auto Answer** (see page 89).

- Java™ applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under ☰ > **Settings** > **Java Settings**.

- To turn off alerts for messages that arrive during a call, select ☰ > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.

Setting a Wallpaper Image

You can set a photo, picture, or animation as a wallpaper (background) image in your phone's home screen. The wallpaper image displays as a faint watermark in text and menu displays.

Note: When you set an animation as a wallpaper image, only the first frame of the animation displays.

Find the Feature   ☰   > **Personalise** > **Wallpaper**

Setting	Description
Picture	Select the picture or animation for the background image in your home screen.
Layout	Select **Centre**, **Tile**, or **Fit-to-screen**.

Setting a Screen Saver Image

You can set a photo, picture, or animation as a screen saver image.

The screen saver image displays when the phone is on and no activity is detected for a specified time period. The image shrinks to fill the display, if necessary. An animation repeats for one minute, then the first frame of the animation displays.

Tip: Turn off the screen saver to extend battery life.

Find the Feature   ☰   > **Personalise** > **Screen Saver**

Setting	Description
Picture	select the picture or animation for your screen saver
Delay	select how long your phone must be inactive before the screen saver picture displays *Note: If this setting is longer than your* **Display Timeout** *setting, then your display will turn off before you see the screen saver.*

Setting Display Brightness

Find the Feature   ☰   > **Settings** > **Initial Setup**
                                  > **Brightness**

Setting Display Colour

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

Find the Feature   ☰   > **Personalise** > **Colour Style**

Adjusting the Backlight

You can set the amount of time that the display and keypad backlights remain on, or turn off backlights to extend battery life.

Caution: The **Continuous** setting can decrease battery life.

Find the Feature   ☰   > **Settings** > **Initial Setup**
                                  > **Backlight**

Setting Display Timeout

You can set the display to turn itself off when no activity is detected for a specified time period.

Find the Feature   ☰   > **Settings** > **Initial Setup**
                                  > **Display Timeout**

Using AGPS Location Information

Your phone can use Assisted Global Positioning Service (AGPS) to tell the network where you are physically located.

Limitations of AGPS

Sometimes adequate signals from multiple satellites are unavailable, usually because your AGPS phone's antenna cannot establish a view of a wide area of open sky. In these cases, the AGPS feature *will not work*. Such situations include, but are not limited to, the following:

- in underground locations
- inside of buildings, trains, or other covered vehicles
- under any other metal or concrete roof or structure
- between tall buildings or under dense tree cover

- near a powerful radio or television tower

- when your AGPS antenna is covered (for example, by your hand or other object) or facing the ground

- when there are temperature extremes outside the operating limits of the phone

Even where location information can be calculated in such situations, it may take more time than usual, and your location estimate may not be as accurate.

Even where adequate signals from multiple satellites are available, your AGPS feature will provide only an approximate location, often within 150 feet (45 metres) but sometimes much farther from your actual location.

The satellites used by your phone's AGPS feature are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense AGPS user policy and the Federal Radio Navigation Plan. These changes may affect the performance of your phone's AGPS feature.

Hiding or Showing Location Information

When **AGPS Service** is turned **On**, services may use your known location to provide useful information (for example, driving directions, or the location of the nearest bank). Contact your service provider for details.

When **AGPS Service** is turned **Off**, it does not send location information.

Find the Feature	▤	> **Settings** > **Phone Status** > **AGPS Service** > **On** or **Off**

Calling Features

For basic instructions on how to make and answer calls, see page 19.

Changing the Active Line

Change the active phone line to make and receive calls from your other phone number.

Note: *This feature is available only for dual-line-enabled SIM cards.*

Find the Feature   ▤   > **Settings** > **Phone Status** > **Active Line**

The active line indicator in the display shows the currently active phone line (see p a g e40).

Redialling a Number

Press		To
1	⟦⟧	view the dialled calls list
2	·◇· up or down	scroll to the entry you want to call
3	⟦⟧	redial the number

Using Automatic Redial

When you receive a busy signal, your phone displays **Number Busy**.

With automatic redial, your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays the message **Redial Successful**, and then connects the call.

To turn automatic redial on or off

Find the Feature   ▤   > **Settings** > **Initial Setup** > **Auto Redial**

When automatic redial is turned off, you can manually activate the feature to redial a phone number. When you hear a busy signal and see **Number Busy**:

Press	To
⟦⟧ or **RETRY** key	activate automatic redial

Your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and then connects the call.

Using Caller ID

Incoming Calls

Calling line identification (Caller ID) displays the phone number for incoming calls.

The phone displays the caller's name (and picture, if available) if the name is stored in your phonebook, or **Incoming Call** when caller ID information is not available.

You can also set your phone to play a distinctive **Ringer ID** for specific entries stored in your phonebook. For more information, see page 84.

Outgoing Calls

You can show or hide your phone number as an ID for the calls that you make.

While dialling (with digits visible in the display), press ▤ > **Hide ID/Show ID**.

Cancelling an Incoming Call

While the phone is ringing or vibrating:

Press	To
⟳ or **DIVERT** key	divert the call to your voicemail or call divert number, as though your line was busy

Depending on your phone settings and/or service subscription, the call may be diverted to another number, or the caller may hear a busy signal.

Turning Off a Call Alert

You can turn off your phone's incoming call alert before answering the call.

Press	To
either volume key	turn off the alert

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 999, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted. Your service provider can program additional emergency numbers into your SIM card. *However, your SIM card must be inserted in your phone in order to use the numbers stored on it.* See your service provider for additional information on this issue.

Note: *Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.*

Press		To
1	keypad keys	dial the emergency number
2	🔘	call the emergency number

Using AGPS During an Emergency Call

When you make an emergency call, your phone's assisted-Global Positioning System (AGPS) feature can calculate your approximate location and help emergency service personnel find you.

- This feature can work only if the emergency response centre can receive and process location information. If you are concerned about whether your local emergency response centre can receive AGPS location information, contact your local authorities.

- For the AGPS feature to work when making emergency calls, the service must be turned on (see page 64).

For best results, you should be located where your phone's antenna can establish a clear view of the open sky. This allows your phone to access AGPS satellite signals. Even under good conditions, it may take 30 seconds or more to determine your approximate location. This time increases and the accuracy of the results decreases with reduced access to satellite signals.

If your phone does not have adequate access to AGPS satellite signals, the location of the nearest cell tower in contact with your phone is automatically provided to the emergency response centre.

Because of the limitations of the AGPS feature, always provide your best knowledge of your location to the emergency response centre, just as you would when using a phone without AGPS capabilities. Also, remain on the phone for as long as the emergency response centre instructs you.

Dialling International Numbers

Press and hold **0** to insert the local international access code (+) for the country from which you are calling.

Viewing Recent Calls

Your phone keeps lists of the 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 entries are added.

Shortcut: Press 🔘 from the home screen to view the **Dialled Calls** list.

Find the Feature	▤	> **Recent Calls**

Press		To
1	·Ȯ· up or down	scroll to **Received Calls** or **Dialled Calls**
2	**SELECT** key	select the list
3	·Ȯ· up or down	scroll to an entry
		Note: ✓ *means the call connected.*
4	🔘	call the entry's number
		Tip: Press and hold 🔘 for two seconds to send the number as DTMF tones during a call.
	or	
	📷	make a video call to the entry's number
	or	
	View / **Store** key	if **View** displays above the left soft key, this displays entry details
		if **Store** displays above the left soft key, this stores the entry in the phonebook
	or	
	▤	open the **Last Calls Menu** to perform various operations on the entry

The **Last Calls Menu** can include the following options:

Option	Description
Store	Create a phonebook entry with the number in the **No.** field.
Delete	Delete the entry.

Option	Description
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.
Send Tones	Send the number to the network as DTMF tones.
	This option displays only during a call.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls, and displays **X Missed Calls**, where **X** is the number of missed calls.

Press		To
1	**VIEW** key	see the received calls list
2	·Ȯ· up or down	select a call to return
3	🔘	make the call

Using the Notepad

The most recent set of digits entered on the keypad are stored in your phone's notepad memory. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature	▤	> **Recent Calls** > **Notepad**

Press	To
🕿	call the number
or	
🗐	open the Dialling Menu to attach a number or insert a special character
or	
STORE key	create a phonebook entry with the number in the No. field

Attaching a Number

While dialling (with digits visible in the display):

Press	To
🗐 > Attach Number	attach a number from the phonebook or recent calls lists

Calling with Speed Dial

Each entry you store in your phonebook is assigned a unique speed dial number.

To see an entry's speed dial number, press 🗐 > Phonebook, scroll to the entry, press the VIEW key.

To speed dial a phonebook entry:

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

Calling With 1-Touch Dial

To call phonebook entries 2 to 9, press and hold the single-digit speed dial number for one second.

Press and hold 1 to dial your voicemail number. To store your voicemail number, see page 74.

Using Voicemail

Voicemail messages that you receive are stored on the network. To listen to your messages, you must call your voicemail phone number.

Your service provider may include additional information about using this feature.

Listening to Voicemail Messages

Find the Feature	🗐 > Messages > VoiceMail

Shortcut: Press and hold 1 in the home screen.

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.

Receiving a Voicemail Message

When you receive a voicemail message, your phone displays ✉️ (voicemail message indicator) and New VoiceMail.

Press	To
CALL key	listen to the message

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.

Storing Your Voicemail Number

If necessary, use the following procedure to store your voicemail phone number on your phone. Usually, your service provider has already done this for you.

Find the Feature	🗐 > Messages
	🗐 > VoiceMail Setup

	Press	To
1	keypad keys	enter your voicemail number
2	OK key	store the number

You cannot store a p (pause), w (wait), or n (number) character in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail. To store these characters in a number, see page 83.

Using Call Waiting

When you are on a call or downloading a file, an alert tone sounds to indicate that you have received a second call.

	Press	To
1	🕿	answer the new call
2	SWITCH key	switch between calls
	or	
	LINK key	connect the 2 calls

Press	To
or	
🗐 > End Call On Hold	end the call on hold

You must turn on call waiting to use the feature. To turn call waiting on or off:

Find the Feature	🗐 > Settings > In-Call Setup > Call Waiting

Putting a Call On Hold

Press	To
🗐 > Hold	put the call on hold

Transferring a Call

You can announce that you are transferring an active call to another party, or you can directly transfer the call.

Announce the Call Transfer

Find the Feature	🗐 > Hold

	Press	To
1	keypad keys	dial the number where you are transferring the call
2	🕿	call the number and speak to the person who answers
3	🗐	open the menu
4	·ọ· up or down	scroll to Transfer

Press		To
5	**SELECT** key	select **Transfer**
6	**OK** key	confirm the transfer

Do Not Announce the Call Transfer

Find the Feature	▤	> **Transfer**

Press		To
1	keypad keys	dial the number where you are transferring the call
2	▣	transfer the call

Phone Features

Menu Map

Main Menu

✉ **Messages**
- Message Inbox
- Create Message
- Email Msgs
- Voicemail
- Browser Msgs
- Quick Notes
- Outbox
- Drafts
- MMS Templates
- Info Services *

🌐 **Browser**

📇 **Recent Calls**
- Received Calls
- Dialled Calls
- Notepad
- Call Times
- Call Cost *
- Data Times *
- Data Volumes *

🕹 **Games & Apps**

▶ **Multimedia**
- Camera
- Record Video
- Pictures
- Videos
- Sounds
- Themes

📅 **Datebook**

📖 **Phonebook**

⚙ **Settings**
- (see next page)

🗐 **IM** *

📟 **Tools**
- Shortcuts
- Calculator
- Alarm Clock
- Dialling Services
- Fast Menu *
- SIM Apps *

📲 **Web Access**
- Browser
- Bookmarks
- Enter URL
- Browser Settings
- History
- Web Sessions
- Stored Pages

🖼 **Personalise**
- Home Screen
- Main Menu
- Colour Style
- Greeting
- Wallpaper
- Screen Saver

🔔 **Ring Styles**
- Style
- *style* Detail
- My Tones

Menu organisation and feature names may vary on your phone.

* Indicates network or subscription-dependant features

Settings Menu

🖥 **Connection**
- Bluetooth Link
- Sync *

📞 **Call Divert**
- Voice Calls
- Video Calls
- Cancel All
- Divert Status

📟 **In-Call Setup**
- In-Call Timer
- Call Cost Setup *
- My Caller ID
- Answer Options
- Call Waiting
- Msg Alert

📶 **Initial Setup**
- Time and Date
- 1-Touch Dial
- Auto Redial
- Display Timeout
- Backlight
- Scroll
- Spatial Audio
- Language
- Battery Save
- Brightness
- DTMF
- Master Reset
- Master Clear

📋 **Phone Status**
- My Tel. Numbers
- Credit Info/Available *
- Active Line *
- Battery Meter
- Storage Devices
- AGPS Service
- Other Information

🎧 **Headset**
- Auto Answer
- Ringer Options
- Voice Dial

🚗 **Car Settings**
- Auto Answer
- Auto Handsfree
- Power-off Delay
- Charger Time

📡 **Network**
- New Network
- Network Setup
- Available Networks
- Service Tone
- Call Drop Tone

🔒 **Security**
- Phone Lock
- Lock Keypad
- Lock Application
- Fixed Dial
- Call Barring
- SIM PIN
- New Passwords

☕ **Java Settings**
- Java System
- Delete All Apps
- App Vibration
- App Volume
- App Priority
- App Backlight
- Set Standby App

* Indicates network or subscription-dependant features

Feature Quick Reference

Calling Features

Feature	Description	
Conference Call	During a call: ☰ > **Hold**, dial next number, press 📵, press the **LINK** key	
Call Diverting	Set up or cancel call diverting: ☰ > **Settings** > **Call Divert**	
Call Barring	Restrict outgoing or incoming calls: ☰ > **Settings** > **Security** > **Call Barring**	

Messages

Feature	Description	
Send Text Message	Send a text message: ☰ > **Messages** > **Create Message** > **New Text Message**	
Send Quick Note Text Message	Send a quick note: ☰ > **Messages** > **Quick Notes** Scroll to a note and press the **SEND** key.	
Send Multimedia Message	Send a multimedia message: ☰ > **Messages** > **Create Message** > **New Multimedia Message**	

Feature	Description
Use MMS Template	Open an MMS template with preloaded media: ☰ > **Messages** > **Create Message** > **MMS Templates** **Tip:** To download templates or other objects from a Web page, see page94.
Insert Pictures and Other Objects	While editing a message: ☰ > **Insert** *Note: Some files might have a lock that keeps you from forwarding them.*
View Sent Messages	☰ > **Messages** > **Outbox**
Read Message	Read a new text or multimedia message that you have received: Press the **READ** key.
Reply to Message	While reading a message: ☰ > **Reply** **Tip:** To change the message type for your replies to MMS messages: ☰ > **Messages** > **Message Setup** > **MMS Msg Setup** > **Reply Type**
Store Message Objects	Go to a multimedia message slide, or highlight an object in a message, then: ☰ > **Store**

Feature	Description
Set Up Text Message Inbox	Set up or edit the text message inbox settings: ☰ > **Messages** > **Message Setup** > **Text Msg Setup**

Instant Messaging

Feature	Description
Log In	Log in to instant messaging: ☰ > **IM** > **Log In**
Find Others Online	After you log in: Select **Contact List** to see a list of other users.
Start Conversation	Start a conversation: From your **Contact List**, highlight a name in **Online Contacts**, press the **SEND IM** key.
Open Active Conversation	Open a conversation in progress: From your **Contact List**, highlight a name in **Conversations**, press the **VIEW** key.
End Conversation	From the conversation display: ☰ > **End Conversation**
Log Out	Log out of instant messaging: Select **Log Out** from the **IM Online** menu.

Email

Feature	Description
Send Email Message	Send an email message: ☰ > **Messages** > **Create Message** > **New Email**
Insert Quick Notes, Pictures, and Other Objects	While editing a message: ☰ > **Insert** *Note: Some files might have a lock that keeps you from forwarding them.*
View Sent Messages	☰ > **Messages** > **Outbox**
Reply to Message	While reading a message: ☰ > **Reply**
Store Message Objects	While reading a message, highlight an object then: ☰ > **Store**
Receive New Email Messages	When you receive a message that emails are waiting: Press the **PICKUP** key.
Read Email Message	Read a new email message that you have received: Press the **READ** key.
Set Up Email Inbox	Set up or edit the email inbox settings: ☰ > **Messages** ☰ > **Email Msg Setup**

Phonebook

Feature	Description
Create Entry	Create a new phonebook entry: ☰ > **Phonebook** ☰ > **New** > **Phone Number** or **Email Address**
Dial Entry	Call a number stored in the phonebook: ☰ > **Phonebook**, highlight the phonebook entry, press 📞 to call
Voice Dial Entry	Voice dial a number stored in the phonebook: Press and hold 📞, then say the entry's name when prompted.
Edit Entry	Edit an entry stored in the phonebook: ☰ > **Phonebook**, highlight the phonebook entry, then press the **VIEW** key and **EDIT** key
Store a PIN Code in a Number	While entering the number: ☰ > **Insert Pause**, **Wait**, or **'n'** **Pause** waits for the call to connect, then sends the remaining digit(s). If your network does not recognise the first pause character, try two (**pp**). **Wait** waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s). **'n'** prompts you for a number before dialling the call. The number you enter is inserted into the dialling sequence in place of the **n** character

Feature	Description
Set Ringer ID for Entry	Assign a distinctive ringer alert to a phonebook entry: ▣ > **Phonebook** > *entry* ▣ > **Edit** > **Ringer ID** > *ringer name* ***Note:*** *The* **Ringer ID** *option is not available for entries stored on the SIM card.*
Set Category for Entry	Set the category for a phonebook entry: ▣ > **Phonebook** > *entry* ▣ > **Edit** > **Category** > *category name* ***Note:*** *The* **Category** *option is not available for entries stored on the SIM card.*
Set Category View	Set a phonebook category view: ▣ > **Phonebook** ▣ > **Categories** > *category to view*
Set Category Ringer ID	Set a distinctive ring for calls from phonebook entries in a specific category: ▣ > **Phonebook** ▣ > **Categories**, scroll to entry, press ▣ > **Edit** > **Ringer ID**
Sort Phonebook List	Set the order in which phonebook entries are listed: ▣ > **Phonebook** ▣ > **Setup** > **Sort by** > *sort order*

Feature	Description
Set Primary Number	Set the primary number for a phonebook entry with multiple numbers: ▣ > **Phonebook**, scroll to entry, press ▣ > **Set Primary** > *phone number*
Copy Phonebook Entry to SIM or Phone	Copy a phonebook entry between the phone and SIM card: ▣ > **Phonebook**, highlight the entry, press ▣ > **Copy Entry**
Copy Phonebook Entry to Another Device	Copy a phonebook entry to another phone, computer, or device: ▣ > **Phonebook**, highlight the entry, press ▣ > **Share Phonebook Entry** > *sending method*
1-Touch Dial	Set 1-touch dial to call entries stored in your phone memory phonebook or the SIM card phonebook: ▣ > **Settings** > **Initial Setup** > **1-Touch Dial**

Personalising Features

Feature	Description
Ring Style	Change the ring alert for an event: ▣ > **Ring Styles** > *style* **Detail** > *event name*
Ringer IDs	Activate distinctive ring alerts assigned to phonebook entries: ▣ > **Ring Styles** > *style* **Detail** > **Ringer IDs**
Ring Volume	Set ringer volume: ▣ > **Ring Styles** > *style* **Detail** > **Ring Volume**

Feature	Description
Keypad Volume	Set keypad keypress volume: ▣ > **Ring Styles** > *style* **Detail** > **Key Volume**
My Tones	Compose your own ring tones: ▣ > **Ring Styles** > **My Tones**
Spatial Sound	Turn on or off a surround sound effect for stereo files: ▣ > **Settings** > **Initial Setup** > **Spatial Audio**
Menu View	Display the main menu as graphic icons or as a text-based list: ▣ > **Personalise** > **Main Menu** > **View**
Menu Order	Reorder your phone's main menu: ▣ > **Personalise** > **Main Menu** > **Reorder**
Change Home Screen Nav Key Shortcuts	Change menu feature icons in the home screen ▣ > **Personalise** > **Home Keys**
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold ▣. Select a shortcut: ▣ > **Tools** > **Shortcuts** > *shortcut name*

Menu Features

Feature	Description
Language	Set menu language: ▣ > **Settings** > **Initial Setup** > **Language**

Feature	Description
Master Reset	Reset all options except unlock code, security code, and lifetime timer: ▣ > **Settings** > **Initial Setup** > **Master Reset**
Master Clear	Reset all options except unlock code, security code, and lifetime timer, and clear all user settings and entries except SIM card information: ▣ > **Settings** > **Initial Setup** > **Master Clear**

Dialling Features

Feature	Description
Fixed Dial	Turn fixed dialling on or off: ▣ > **Settings** > **Security** > **Fixed Dial** Use the fixed dial list: ▣ > **Tools** > **Dialling Services** > **Fixed Dial**
Service Dial	Dial service phone numbers: ▣ > **Tools** > **Dialling Services** > **Service Dial**
Quick Dial	Dial preprogrammed phone numbers: ▣ > **Tools** > **Dialling Services** > **Quick Dial**

Feature	Description
DTMF Tones	Activate DTMF tones: 🗐 > **Settings** > **Initial Setup** > **DTMF** To send DTMF tones during a call, just press the number keys. To send stored numbers as DTMF tones during a call: Highlight a number in the phonebook or recent calls lists, then press 🗐 > **Send Tones**.

Call Monitoring

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, contact your service provider.

Feature	Description
Call Times	View call timers: 🗐 > **Recent Calls** > **Call Times**
In-Call Timer	Display time or cost information during a call: 🗐 > **Settings** > **In-Call Setup** > **In-Call Timer**

Feature	Description
Call Cost	View call cost trackers: 🗐 > **Recent Calls** > **Call Cost**

Handsfree Features

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.*

Feature	Description	
Speaker-phone	Activate the speakerphone during a call: Press the **SPEAKER** key (if available) or 🗐 > **Spkrphone On**	Optional Accessory
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: 🗐 > **Settings** > **Car Settings** or **Headset** > **Auto Answer** **Note:** *Your phone will not automatically answer calls if the ring style is set to* **Silent**.	Optional Accessory
Voice Dial (headset)	Enable voice dial with headset send/end key: 🗐 > **Settings** > **Headset** > **Voice Dial**	Optional Accessory
Auto Handsfree (car kit)	Automatically route calls to a car kit when connected: 🗐 > **Settings** > **Car Settings** > **Auto Handsfree**	Optional Accessory

Feature	Description	
Power-off Delay (car kit)	Set the phone to stay on for a specified time after the ignition is switched off: 🗐 > **Settings** > **Car Settings** > **Power-off Delay**	Optional Accessory
Charger Time (car kit)	Charge the phone for a specified time after the ignition is switched off: 🗐 > **Settings** > **Car Settings** > **Charger Time**	Optional Accessory

Data Calls

Feature	Description	
Send Data	Connect your phone to a device, then place a call through the device application.	Optional Accessory
Receive Data	Connect your phone to a device, then answer a call through the device application.	Optional Accessory

Bluetooth® Wireless Connections

Feature	Description	
Make Phone Visible to Other Device	Allow an unknown Bluetooth device to discover your phone: 🗐 > **Settings** > **Connection** > **Bluetooth Link** > **Setup** > **Find Me** **Tip:** After the first connection, you do not need to select **Find Me** to re-connect.	Optional Accessory
Connect to a Handsfree Device	Connect to a handsfree device: 🗐 > **Settings** > **Connection** > **Bluetooth Link** > **Handsfree** > *device name* or **Look for Devices**	Optional Accessory
Connect to a Handsfree Device During a Call	Switch to a headset or car kit during a call: 🗐 > **Use Bluetooth**	Optional Accessory
Disconnect From Device	Disconnect from a device: Highlight the device name and press the **DROP** key.	Optional Accessory
Edit Device Properties	Edit the properties of a recognised device: Highlight the device name and press 🗐 > **Edit**.	Optional Accessory
Set Bluetooth Options	Set your phone's Bluetooth options: 🗐 > **Settings** > **Connection** > **Bluetooth Link** > **Setup**	Optional Accessory

Network Features

Feature	Description
Network Settings	View network information and adjust network settings: `▤` > **Settings** > **Network**

Personal Organiser Features

Feature	Description
Create Datebook Event	Create a new datebook event: `▤` > **Datebook**, highlight the day, press the centre select button, press `▤` > **New**
View Datebook Event	View or edit event details: `▤` > **Datebook**, highlight the day, press the centre select button, scroll to the event, and press the **VIEW** key
Event Reminder	View event reminder: **VIEW** key Dismiss event reminder: **EXIT** key
Copy Datebook Event to Another Device	Copy a datebook event to another phone, computer, or device: `▤` > **Datebook**, highlight the day, press the centre select button, highlight the event, press `▤` > **Send** > *transfer method*
Set Alarm	Set an alarm: `▤` > **Tools** > **Alarm Clock**

Feature	Description
Turn Off Alarm	Turn off alarm: Press the **DISABLE** key or `⌀`. Set 8-minute delay: Press the **SNOOZE** key.
Calculator	Calculate numbers: `▤` > **Tools** > **Calculator**
Currency Converter	Convert currency: `▤` > **Tools** > **Calculator** `▤` > **Exchange Rate** Enter exchange rate, press the **OK** key, enter amount, press `▤` > **Convert Currency**.

Security

Feature	Description
SIM PIN	Lock or unlock the SIM card: `▤` > **Settings** > **Security** > **SIM PIN** **Caution:** If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays **SIM Blocked**.
Lock Application	Lock phone applications: `▤` > **Settings** > **Security** > **Lock Application**

News and Entertainment

Note: The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

Feature	Description
Launch Micro-Browser	Start a micro-browser session: `▤` > **Web Access** > **Browser**
Web Sessions	Select or create a Web session: `▤` > **Web Access** > **Web Sessions**
Download Objects from Web Page	Download a picture, sound, or other file from a Web page: Highlight the file, press the **SELECT** key, then the **STORE** key.
Apply Phone Theme	Apply a grouped set of image and sound files to your phone: `▤` > **Multimedia** > **Themes** > *theme*
Download Game or Application (Micro-Browser)	Download a Java™ game or application with the micro-browser: `▤` > **Web Access** > **Browser**, highlight the application, press the **SELECT** key, then the **DWNLOAD** key
Launch Game or Application	Launch a Java™ game or application: `▤` > **Games & Apps**, highlight the application, press the **SELECT** key

Feature	Description
Change Game or Application Settings	Change the volume, priority, or other settings for Java™ games or applications: `▤` > **Settings** > **Java Settings**
Manage Pictures	Manage pictures and animations: `▤` > **Multimedia** > **Pictures**
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded: `▤` > **Multimedia** > **Sounds**
Manage Video Clips	Manage video clips: `▤` > **Multimedia** > **Videos**
Photo and Video Camera Settings	Adjust light level and other settings for the integrated camera: `▤` > **Multimedia** > **Camera** `▤` > **Picture Setup** **or** `▤` > **Multimedia** > **Record Video** `▤` > **Video Setup** *Note: The photo and video cameras use the same settings.*

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.[1] Tests for SAR are conducted in accordance with CENELEC[2] 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 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: 0.88 W/kg.[3]

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 improvements 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.

1   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.

2   CENELEC is a European Union standards body.

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

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