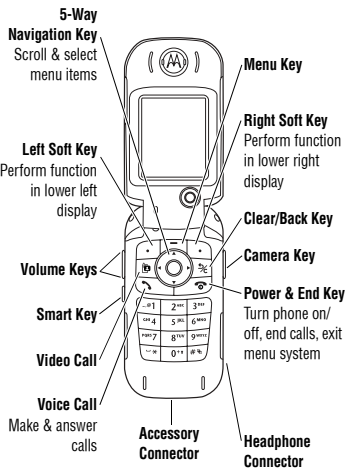Welcome to the world of Motorola digital mobile communications! We are pleased that you have chosen the Motorola V980 3G mobile phone.

Note: *The graphic represented here and throughout this manual may not accurately depict your specific phone.*

5-Way Navigation Key
Scroll & select menu items

Menu Key

Left Soft Key
Perform function in lower left display

Right Soft Key
Perform function in lower right display

Clear/Back Key

Volume Keys

Camera Key

Smart Key

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

Video Call

Voice Call
Make & answer calls

Accessory Connector

Headphone Connector

www.motorola.com

MOTOROLA and the Stylised M Logo are registered in the US Patent & Trademark Office.

Java and all other Java-based marks are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

All other product or service names are the property of their respective owners.

© Motorola, Inc., 2004.

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by

implication, estoppel, or otherwise, any licence under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free licence to use that arises by operation of law in the sale of a product.

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.

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.

3.1 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.

3.2 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.

3.2.1 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.

3.2.2 Phone Operation

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

3.2.3 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.

3.2.4 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.

3.2.5 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.

3.3 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.

3.3.1 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.

3.3.2 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.

3.3.3 Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimetres) be maintained between a mobile 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 mobile 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.

3.4 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.

3.5 Operational Warnings

3.5.1 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.

3.5.2 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.

3.5.3 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.

3.5.4 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.
(symbol)	Your battery or phone should not be disposed of in a fire.

Symbol	Definition
♻	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
(symbol)	Your battery or phone should not be thrown in the trash.
⊖ LiIon BATT ⊕	Your phone contains an internal lithium ion battery.

3.6 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.

3.7 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

CE

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

```
IMEI: 350034/40/394721/9
CE 0168
Type: MC2-41H14
```
Product Approval Number
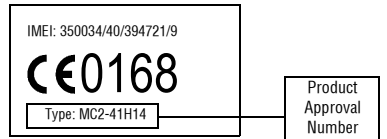
The above gives an example of a typical Product Approval Number.

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

Recycling Information 4

4.1 Caring for the Environment by Recycling

When you see this symbol on a Motorola product, do not dispose the product with household waste.

4.2 Recycling Mobile Phones and Accessories

Do not dispose of mobile phones or electrical accessories, such as chargers or headsets, with your household waste. In some countries or regions, collection systems are set up to handle electrical and electronic waste items. Contact your regional authorities for more details. If collection systems aren't available, return unwanted mobile phones or electrical accessories to any Motorola Approved Service Centre in your region.

5.1 About This Guide

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

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

`http://hellomoto.com`

5.1.1 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.

5.1.2 Optional Accessories

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

5.2 Installing the USIM or SIM Card

Your 3G USIM (Universal IC Card) contains your phone number, service details, and contacts list/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
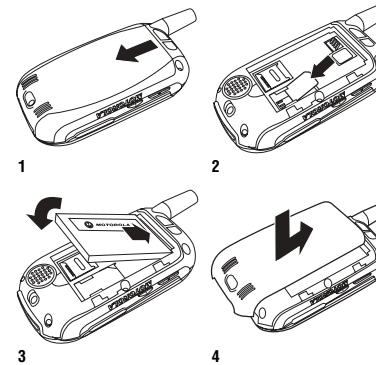
5.3 Memory Card

Insert the Memory Card next to the SIM card (see above) underneath the phone battery.

The Memory Card provides you with a larger storage capacity than the Phone Memory. When you download for example pictures, sounds, video clips or Java applications, they will be saved to the Memory Card.

To view a list of what is saved to either the Phone Memory or the Memory Card, press [ ] and select **Memory Card/Phone Memory**. See "Viewing and Managing Pictures" on page 29.

IIf you have a TransFlash removable memory card, the use of an SD adapter allows you to use it in other devices that are compatible with SD cards (for example, digital cameras, laptops, mp3-players).
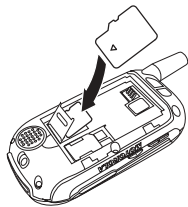
5.4 Battery Tips

Battery life depends on the network, signal strength, temperature, features, and accessories you use.

- Always use Motorola Original batteries and battery chargers. The warranty does not cover damage caused by non-Motorola batteries and/or chargers.
- New batteries or batteries stored for a long time may take more time to charge.

- When charging your battery, keep it near room temperature.
- When storing your battery, keep it uncharged in a cool, dark, dry place, such as a refrigerator.
- Never 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.
- It is normal for batteries to gradually wear down and require longer charging times. If you notice a change in your battery life, it is probably time to purchase a new battery.

Contact your local recycling centre for proper battery disposal.
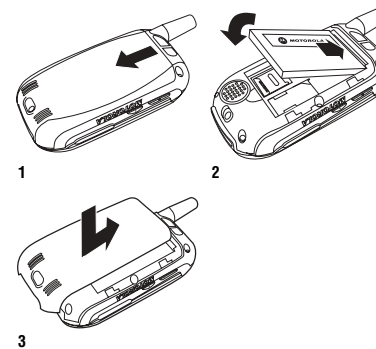
Warning: Never dispose of batteries in a fire because they may explode.

Before using your phone, please read the battery safety information in the *Safety and General Information* section included in this guide.

5.5 Installing the Battery

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

1   2

3

5.6 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.

5.7 Turning Your Phone On

Action

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

Power Key

2 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**.

3 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.

5.8 Adjusting Volume

Press the up or down volume keys to:

Volume Keys

- increase or decrease earpiece volume during a call
- increase or decrease speakerphone volume during a call
- turn off an incoming call alert
- 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.

5.9 Making a Call

To make video calls, see page 35.

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

Tip: You can also close the phone to end the call.

Note: *You can make an emergency call even when the phone is locked, or when a SIM card is not inserted (see page 55).*

5.10 Answering a Call

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

When **Open to Answer** is **On**, open the phone to answer the call. To set **Open to Answer**, press ▤ > **Settings** > **In-Call Setup** > **Answer Options** > **Open to Answer**.

If **Open to Answer** is **Off**:

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

5.11 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.

5.12 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 51. If you do not know your phone number, contact your service provider.*
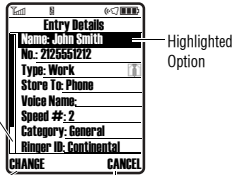
5.13 Entering Text

Some features require you to enter information.

Press ◉ to scroll down to other options.

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

Highlighted Option

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

Press **CANCEL** key to exit without making changes. **DONE** displays when you enter or edit information.

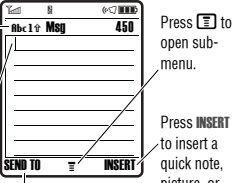The message centre lets you compose and send text messages.

For indicator descriptions, see following section.

Abc 1 ⇧   Msg   450

Flashing cursor indicates insertion point.

SEND TO   INSERT

Press ▤ to open sub-menu.

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

Press **SEND TO** to enter the recipient.

5.13.1 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 24).
Symbol	Enter symbols only (see page 24).
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 22).
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

Primary	Second.	
1 ⬆	**2** ⬆	Tap, all capital letters
⬛1⬛	⬛2⬛	iTAP, no capital letters
⬛1⬛	⬛2⬛	iTAP, capitalise next letter only
⬛1⬛	⬛2⬛	iTAP, all capital letters

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

5.13.2 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 22.

Press	To
1 A keypad key one or more times	select a letter, number, or symbol
2 keypad keys	enter remaining characters
	Tip: Press ·◊· 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 19.

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 ·◊· 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 ·◊· 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 ·◊· 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.
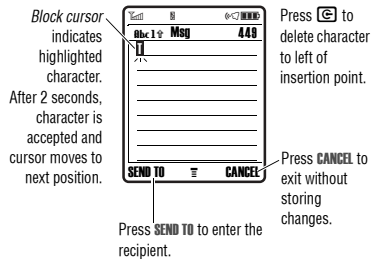
5.13.3 Using iTAP™ Mode

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.
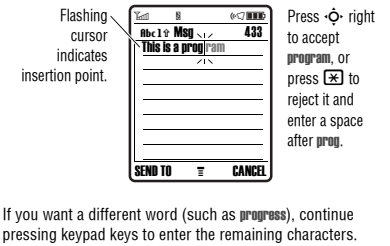

For example, if you press 7 7 6 4, letter combinations that match your keypresses display:

Press ⬅ to delete character to left of insertion point.

Press ·◊· up to accept **Program**.

Press ·◊· right to highlight another combination. Press ✳ to enter **Prog** and a space.

Press **SELECT** to lock highlighted combination.

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

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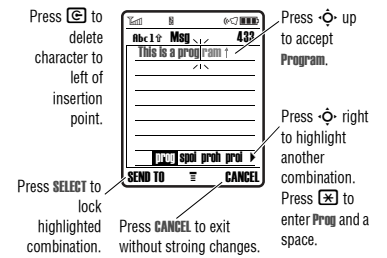
Entering Words

In a text entry screen, you can press # to switch entry modes. An indicator shows which mode is active (see page 19). If **iTAP** mode is not available as the **Primary** or **Secondary** entry mode, see page 19.

Press	To
1 keypad keys (one press per letter)	show possible letter combinations at the bottom of the screen
2 ·◊· left or right	highlight the combination you want

Press   **To**

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.

5.13.4 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.

5.13.5 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   ·○· 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.

5.13.6 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.

5.13.7 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* Contacts *entry,* Calendar *event,* Browser *page, text message, or* Recent Calls *entry.*

Highlighting Text

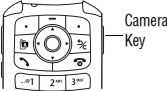In a text editor, to highlight and copy or cut text:

Find the Feature   ⃞   > Copy Text or Cut Text

Press   **To**

1   ·○·   scroll to the beginning of the text you want to copy or cut

2   START key   turn on the highlighting marker

3   ·○·   scroll to the end of the text you want to copy or cut

4   COPY key   copy or cut the text you selected

or

CUT key   You can now paste the text in another location or file.

Text remains on your clipboard, available to paste, until you copy or cut other text or until you turn off your phone.
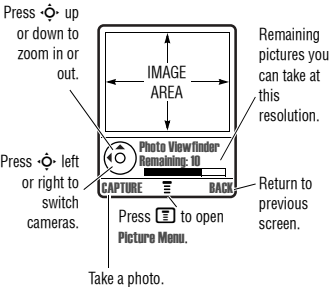
You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.

6.1 Taking and Sending a Photo

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

Camera Key

The active viewfinder image displays.

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

IMAGE AREA

Remaining pictures you can take at this resolution.

Press ·Ö· left or right to switch cameras.

Photo Viewfinder
Remaining: 10

CAPTURE   BACK

Press ▤ to open **Picture Menu**.

Return to previous screen.

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	·Ö· 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.
Memory Card/Phone Memory	Select the memory card or the phone memory as storage location.
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 contacts entry, open the entry and press ▤ > **Edit** > **Picture**. You cannot assign pictures to entries stored on your SIM card.

6.2 Using Photos and Pictures

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

6.2.1 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 Vodafone live!, 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.

To download a picture from Vodafone live!, see page 39. To store a picture from a message, see page 66.

6.2.2 Viewing and Managing Pictures

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

Find the Feature   ▤   > **My Items** > **Pictures**

	Press	To
1	·Ö· up or down	scroll to the picture
2	**VIEW** key	view the picture
3	·Ö·	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.
Vodafone live! Studio	Shortcut to Vodafone live! Studio.
Send Postcard	Send the picture to the server for printing. You receive a text message when the picture is ready.

Option	Description
Memory Card/Phone Memory	Switch between the phone memory or the memory card.
Apply as	Set the picture as your phone's **Wallpaper** or **Screen Saver** image.
Zoom	Zoom in or out on the video.
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).
Mark	Mark the picture to move, copy, send or delete it.
Mark All	Mark all pictures to move, copy, send, or delete them.
Assign to Category	Assign the picture to a defined category.

Option	Description
Pictures Setup	Open the setup menu to adjust picture and video settings.
View Free Space	View memory space available for storing pictures.

Automatical resizing of pictures

Note that if you want to insert a picture to be sent with an MMS message, pictures above 100K in size will automatically be resized to VGA resolution when sent to another phone. If the picture is sent to an email address or another application, or as a postcard, it will retain the original resolution provided that the maximum message size is 300K.

The original pictures will be stored in original size in the **Pictures Menu**.

If sending of the message fails, the message and the attached picture(s) will be saved in the outbox.

6.3 Sending a Postcard

The Vodafone live! Postcard service allows you to send a picture as an MMS, which will be delivered as a real postcard

---

to a street address. You can send a picture that you have just taken, or a picture that has already been saved to your phone. You can also include a personal greeting to the postcard.

Find the Feature	📋	> **Messages** > **Create Message** > **New live! Postcard**
	📋	> **Contacts** > **As Postcard**
	📋	> **My Items** > **Pictures** > **As Postcard**

You can also access this option after you have taken a picture. Press **OPTIONS** and select **As Postcard**.

Please note that the different steps when sending the postcard may differ slightly depending on whether you are in the **My Items**, **Contacts** or **Messages** Menu. The following describes the steps for editing the Postcard from the **Messages** Menu.

| **Find the Feature** | 📋 | > **Messages** > **Create Message** > **New live! Postcard** |

Press	To
1 SELECT	select the **New live! Postcard** option and go to the Postcard editor
2 keypad keys	enter your greeting text
	Note: The maximum length for the greeting text is 200 characters.
3 📋 to go to MMS Menu.	Select **Insert** > **Picture** and select either a picture that has been saved earlier, or a picture you have just taken and press **SELECT**

If the intended recipient already contains complete address information in the contacts list, do the following:

| **4**   ADDRESS | select the address of the recipient from your Contacts |
| | *Note: Only contacts entries that contain complete address information will show in the list. See "Inserting a new address entry" on page 32 for inserting a new address entry.* |

Press	To
5 ·○· up or down	scroll to the name of the person you wish to send the postcard to
6 ·●· centre key	select the recipient's name
	Note: You can select more than one recipient for your postcard.
7 BACK	return back to the Postcard editor
8 ·●· centre key	go to the **Postcard Menu**
9 ·○· up or down	select **Insert** to insert a picture
10 Picture/New Picture	select either a picture that has been saved earlier, or a picture you have just taken and press **SELECT**
11 SEND	send the postcard when you have inserted the picture and the recipient(s) address(es)

Inserting a new address entry

If your Contacts does not have the intended recipient's address, insert a new address by selecting **ADDRESS** and **New Address Entry**. Define the following information:

Option	Description
Name:	enter the recipient's name (mandatory)
Street 1:	enter the street name (mandatory)
Street 2:	continue the street name (optional)
City:	enter the city name (mandatory)
State:	enter the state name (optional)
Postal code:	enter the postal code (optional)
Country:	enter the country name (optional)

Once you have entered all mandatory fields, press **DONE**. The phone will ask you whether you want to save the postal address to Contacts.

Select **NO** to return to the **Address To** Menu and send the postcard without saving the recipient's address.

Select **YES** to save the address and select whether you want the address to be saved either with **Phone Number** or **Email Address**.

After entering all necessary information, press **DONE** to return to the **Address To** Menu.

6.4 Recording Video Clips

To record a video on your phone:

| **Find the Feature** | 📋 | > **My Items** > **Record Video** |

The active viewfinder image displays.

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

Remaining clips you can capture.

VIDEO CLIP AREA

Press ·○· left or right to switch cameras.

Photo Viewfinder
Remaining: 10

CAPTURE   BACK

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	
DISCARD key	delete the video and return to active viewfinder
4 ·Ö· 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.
Memory Card/Phone Memory	Switch between the phone memory or the memory card (only present when memory card is inserted).
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.

6.5 Using Video Clips

You can download video clips with Vodafone live!, and receive video clips in multimedia messages.

6.5.1 Downloading Video Clips

To download a video clip with Vodafone live!, see page 39. To store a video clip from a message, see page 66.

6.5.2 Viewing and Managing Video Clips

To play a video clip stored on your phone:

Find the Feature	🗐	> My Items > Videos

Press	To
1 ·Ö· 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.
Vodafone live! Studio	Shortcut to Vodafone live! Studio.
Zoom	Zoom in or out on the video.
New	Capture a new video.
Details	View video information.
Delete	Delete the selected video.

Option	Description
Mark	Mark the video to move, copy, send or delete it.
Mark All	Mark all video to move, copy, send, or delete them.
Assign to Category	Assign the video to a defined category.
Video Setup	Open the setup menu to adjust video settings.
View Free Space	View memory space available for storing videos.

6.6 Making Video Calls

With your phone you can make a video call to someone else who has a video phone and see each other while you talk. Please note that both participating in the video call have to be on the 3G network and in the 3G coverage area

6.6.1 Making a Video Call

A quick guide to making a video call:

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

Options During an Active Video Call

Swapping Views

Press	To
SWAP VIEW	swap between the primary and the secondary video area during a video call

During an active video call, there are two video areas on your phone display. The primary video area shows your image (or the selected "**Camera Off**" **Image**) and the secondary video area shows your recipient's image. You can swap between the

video areas to place your image onto the secondary video area, and the recipient's image onto the primary video are.

Selecting Applications

Press	To
SELECT APP	access other applications during a video call

During an active video call, you can access other applications, such as **Contacts** , **Calendar**, **My Items**, or the **Browser**. You can also send and receive messages during a video call, or start a new video call.

Video Call Menu

Find the Feature	🗐	> Video Call Menu

Some of the options accessed from the **Video Call Menu** during an active call inlude the following:

Press	To
Select Application	access applications during an active call, such as Contacts, Calendar or Browser.
Camera On/Camera Off	change whether you want the Camera to be on or off
External View/Internal View	If the Camera is on, select the view from which the image is captured
Hold/Resume	If the Camera is off, put audio on hold to be able to e.g. change different image as your "**Camera Off**" **Image**. Select **Resume** to return to the **Video Call Menu**.
Audio Mute/Unmute Audio	stop sending video image temporarily. Select **Unmute Audio** to resume sending the video image.
Swap View	change between the primary and secondary video area on your phone display

Press	To
Brightness/Contrast	adjust the brightness/contrast level of the display. This does not affect the outgoing video image.
Setup	set up camera settings:
	- select **Mirror** so that the camera captures a "mirror" image (only applicable in **Internal View**)
	- select **Status Icons** to turn status icons **On/Off** in the viewfinder
	- select **Lightning Conditions** to setup the display: **Automatic**, **Sunny**, **Cloudy**, **Indoor**, or **Night**

6.7 Connecting Your Phone to Another Device

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

- USB cable

Note: *Not all devices are compatible with all types of connections. Check your external device for specifications. The use of mobile devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.*

6.7.1 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.

Action

2	Plug the other end—the USB connection—into the USB port on the device.

Vodafone live! 7

7.1 Vodafone live!

Your phone has been customised to give access to Vodafone live!. Visit www.vodafone.com for additional information about the services Vodafone live! offers.

To connect to the Vodafone live! service, press the Vodafone live! key on your handset. If you have any problems connecting to Vodafone live!, please contact Vodafone.

Find the Feature   ⭕
                       ☰ > **Vodafone live!**

You have the following options while browsing:

Option	Description
Bookmarks	Preconfigured shortcuts to items such as Ringtones, Pictures, News, Sport and Games.
Enter URL	Go to a requested page.
Browser settings	Change Vodafone live! settings.
History	View a list of recently viewed pages.
Internet Profiles	Set up Vodafone live! profiles.

You can also download pictures, videos, ringtones and games from Vodafone live! and install them on your phone.

The Vodafone live! lets you access Web pages and Web-based applications on your phone. Contact Vodafone to set up access, if necessary.

Your phone may use a 3G bringing improved quality, sound, pictures and videos, as well as increased speed when downloading games and ringtones. This connection is indicated by a ☷ indicator.

Alternatively, 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 Vodafone live!. If you see an 📞 (in-call) indicator during a Vodafone live! session, your phone is using a standard voice 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 Vodafone live! automatically.

7.1.1   Starting Vodafone live!

7.1.1 Starting Vodafone live!

Press	To
1 ⭕	start the Vodafone live!
2 ✛ up or down	scroll to a bookmark, service, or application
3 **SELECT** key	select the item

Shortcut: If you open a text message with a Web address (URL) embedded in it, you can press ☰ > **Go To** to launch Vodafone live! and go directly to the URL.

If you are unable to establish a network connection with Vodafone live!, contact your service provider.

7.1.2 Interacting With Web Pages

Press	To
✛ up or down	scroll through text, or highlight a selectable item
SELECT key	select the highlighted item

Press	To
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**

7.1.3 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 on your phone, 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   7.1.4

7.1.4 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 Vodafone live! in different ways.

Find the Feature   ☰ > **Vodafone live!**
                          > **Internet Profiles**

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

7.1.5 Running Vodafone live! in the Background

Some phones are set up to run Vodafone live! 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 Vodafone live! Messages

Find the Feature   ☰ > **Messages > Browser Msgs**
                       ☰ > **Brwsr Msg Setup > Service**

Option	Description
Off	Stop all Vodafone live! messages.
Receive All	Allow all Vodafone live! messages.
Restricted	Allow only Vodafone live! messages from your service centre number.

See page 1 for a basic phone diagram.

8.1 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 — Vodafone 10/15/03 — Shortcuts
Messaging — Calendar
Contacts — Clock
9:10am
Left Soft Key Label — MESSAGES — live! — Right Soft Key Label
Menu Indicator
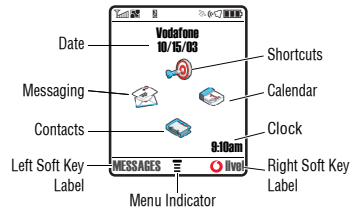
Press the 5-way navigation key (·Ô·) left, right, up, or down to select one of the menu feature icons. If you select a menu icon by mistake, press 📞 to return to the home screen.

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. Messages
3. Data
2. GPRS   7. Ring Style
1. Signal Strength   8. Battery

Vodafone 1/1/05
MESSAGES — live!
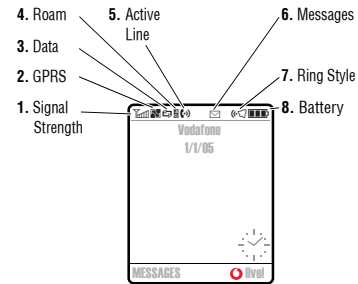
1. Signal Strength Indicator

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

▥ = 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 = 3G home   3G = 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. Message Indicator

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

✉ = text message   📭 = voicemail message
📨 = voice and text message   📟 = answering machine

7. Ring Style Indicator

Shows the ring style setting.

🔊 = loud ring   🔉 = soft ring
📳 = vibrate and ring   📳 = vibrate then ring
📳 = vibrate   🔇 = silent

8. Battery Level Indicator

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

8.2 Using the 5-Way Navigation Key

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

Nav Key
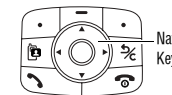
8.3 Using Menus

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
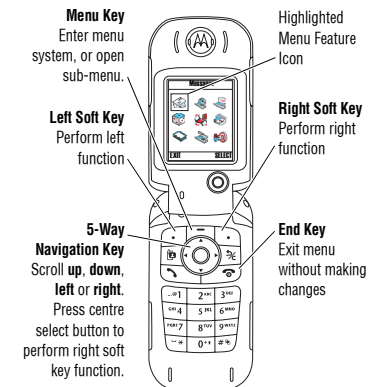
Selecting a Menu Feature

Press ·Ò· 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
	Games and More		Vodafone live!
	Media Player		Messages
	Camera		My Items
	Organiser		Contacts
	Shortcuts		Call Logs
	Settings		

8.3.1 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 ·Ò· 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.

8.3.2 Selecting a Feature Option

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

Press VIEW to view details of highlighted option.

Dialled Calls
10| John Smith
9| Lisa Owns
8| Adda Thomas
7| Jack Bradshaw
6| Dave Thompson
5| John Smith
4| John Smith
3| John Smith
VIEW ☰ BACK

Highlighted Option

Press BACK to go back to previous screen.

Press ☰ to open sub-menu.
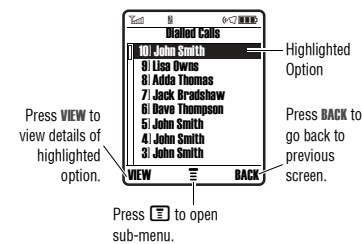
- Press ·Ò· to scroll up or down to highlight the option you want.

Using Special Keys

- 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 ·Ò· 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.

8.4 Using Special Keys

Your phone has special keys that give you quick access to common tasks.

Volume
Video Call
Voice Call

Camera
Clear
Power & End
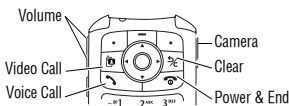
- **Volume Keys:** Adjust earpiece volume during a call, or ringer volume from the home screen (see page 16).
- **Smart Key:** Perform the most likely action in any display.
- **Video Call Key:** Make a video call to a number you entered (see page 35).
- **Voice Call Key:** Make a voice call to a number you entered (see page 16).
- **Camera Key:** Display the camera viewfinder (see page 27).
- **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 page 16).

8.5 Using the External Display

When the flip is closed, the external display shows time and phone status information. It also displays messages to notify you of incoming calls and other events. See page 42 for

---

Using the Handsfree Speaker

descriptions of the status indicators that may appear in the external display.

Note: You cannot make or receive calls when the phone is closed unless you attach a headset.

8.6 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.

8.8 Locking and Unlocking Your Phone

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

8.7 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 Your Phone Manually

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 55).

8.8.1 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

8.8.2 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

8.8.3 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

8.9 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.

8.9   If You Forget a Code, PIN, or Password

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.

9.1 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.

9.2 Setting the Time and Date

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

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

9.3 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 page 44).

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 72).
- 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**.

9.4 Setting Answer Options

You can use additional methods to answer an incoming call.

Multi-Key	answer by pressing any key
Open to Answer	answer by opening the phone

To activate or deactivate an answer option:

Find the Feature   ▤ > **Settings** > **In-Call Setup**
                                    > **Answer Options**

Press		To
1	⊙ up or down	scroll to **Multi-Key** or **Open to Answer**
2	**CHANGE** key	select the option
3	⊙ up or down	scroll to **On** or **Off**
4	**SELECT** key	confirm the setting

9.5 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**.

9.6 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.*

9.7 Setting Display Brightness

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

9.8 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**

9.9 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**

9.10 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**

For basic instructions on how to make and answer calls, see page 16.

10.1 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 and is operator dependent..*

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

The active line indicator in the display shows the currently active phone line (see page 44).

10.2 Redialling a Number

Press		To
1	📞	view the dialled calls list
2	·◇· up or down	scroll to the entry you want to call

Press		To
3	📞	redial the number

10.3 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.

10.4 Using Caller ID

10.4.1 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 contacts, 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 contacts. For more information, see page 68.

10.4.2 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**.

10.5 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

10.6 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

10.7 Dialling International Numbers

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

10.8 Viewing Call Logs

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	·◇· up or down	scroll to **Received Calls** or **Dialled Calls**
2	**SELECT** key	select the list
3	·◇· 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	

Press		To
	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 contacts
	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 contacts entry with the number in the **No.** field.
Delete	Delete the entry.
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.

Option	Description
Add Digits	Add digits after the number.
Attach Number	Attach a number from the contacts or call log lists.
Send Tones	Send the number to the network as DTMF tones.
	This option displays only during a call.

10.9 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	·◇· up or down	select a call to return
3	📞	make the call

10.10 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 contacts entry with the number in the No. field

10.11 Attaching a Number

While dialling (with digits visible in the display):

Press	To
▤ > Attach Number	attach a number from the contacts or call log lists

10.12 Calling with Speed Dial

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

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

To speed dial a contacts 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

10.13 Calling With 1-Touch Dial

To call contacts 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 59.

10.14 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.

10.14.1 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.

10.14.2 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.

10.14.3 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 contacts entry for it. Then, you can use the entry to call your voicemail. To store these characters in a number, see page 68.

10.15 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
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

10.16 Putting a Call On Hold

Press	To
▤ > Hold	put the call on hold

10.17 Transferring a Call

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

10.17.1 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 ⊹ up or down	scroll to Transfer

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

10.17.2 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

11.1 Navigation Guide

Main Menu

Games and More
- More Games
- Game 1
- Game 2

Vodafone live!
- Vodafone live!
- Bookmarks
- Enter URL
- Browser Settings
- History
- Internet Profiles
- Stored Pages

Media Player
- Camera
- Record Video
- Pictures
- Videos
- Sounds

This is the standard main menu layout. Menu organisation and feature names may vary on your phone. Not all features may be available on your phone.

Messages
- Create Message
  - New Text Message
  - New Multimedia Msg
  - New Email
  - MMS Templates
  - Msg To live! Studio
  - New live! Postcard
- Voicemail
- Inbox
- Email Inbox
- Browser Messages
- Info Services
- Quick Notes
- Outbox
- Drafts
- MMS Templates
- Vodafone Mail
- live! Studio

Camera
- Go To Pictures
- Internal View
- Auto-Timed Capture
- Light On
- Adjust Brightness
- Pictures Setup
- View Free Space
- Send in Message
- Send > live! Studio
- New live! Postcard
- Store
- Apply as Wallpaper

- Apply as Screen Saver
- Apply as Contacts Entry

My Items
- Pictures
- Sounds
- Videos

Organiser
- Alarms
- Calculator
- Calendar
- Dialling Services
- Activation List

Contacts

Record Video
- Go To Videos
- Internal View
- Light On
- Videos Setup
- View Free Space
- Send in Message
- Send > live! Studio
- Store Only

Main Menu (cont.)

Shortcuts
- More Sounds
- More Pictures
- More Games
- live! Studio
- News
- Sport
- Chat
- My Vodafone
- Search
- What's New?

Call Logs
- Received Calls
- Dialled Calls
- Notepad
- Call Times

Settings
(see next page)

Settings Menu

Personalise
- Home Screen
- Main Menu
- Wallpaper
- Screen Saver
- Quick Dial

Ring Styles
- Style
- *Style* Detail

Call Forward
- Voice Calls
- Video Calls
- Cancel All
- Divert Status

In-Call Setup
- In-Call Timer
- My Caller ID
- Answer options
- Call Waiting
- Msg Alert

Initial Setup
- Time and Date
- 1-Touch Dial
- Auto Redial
- Display Timeout
- Backlight
- Scroll
- Language
- Battery save
- Brightness
- DTMF
- Master Reset
- Master Clear

Phone Status
- My Tel. Numbers
- Battery Meter
- Storage Devices
- Software Update
- 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
- My Network List
- Service Tone
- Call Drop Tone

Security
- Phone Lock
- 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

11.2 Feature Quick Reference

Please note that not all features may be available.

11.2.1 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**

11.2.2 Messages

Feature	Description
Send Text Message	Send a text message: 📇 > **Messages** > **Create Message** > **New Text Message**

Feature	Description
Send Quick Note Text Message	Send a quick note: 📇 > **Messages** > **Quick Notes** Scroll to a note and press the **SEND** key.
Send Multimedia Message (MMS)	Send a multimedia message: 📇 > **Messages** > **Create Message** > **New Multimedia Message**
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 page 75.
Insert Pictures and Other Objects	While editing a message: 📇 > **Insert** *Note: Some files might have a lock that keeps you from forwarding them.*

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

11.2.3 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

Feature	Description
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

11.2.4 Contacts

Feature	Description
Create Entry	Create a new contacts entry: 🗐 > Contacts 🗐 > New > Phone Number or Email Address

Feature	Description
Dial Entry	Call a number stored in the contacts list: 🗐 > Contacts, highlight the contacts entry, press 📞 to call
Voice Dial Entry	Voice dial a number stored in the contacts list: Press and hold 📞, then say the entry's name when prompted.
Edit Entry	Edit an entry stored in the contacts list: 🗐 > Contacts, highlight the contacts entry, then press the VIEW key and EDIT key

Feature	Description
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 contacts entry: 🗐 > Contacts > *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 contacts entry: 🗐 > Contacts > *entry* 🗐 > Edit > Category > *category name* **Note:** *The Category option is not available for entries stored on the SIM card.*
Set Category View	Set a contacts category view: 🗐 > Contacts 🗐 > Categories > *category to view*

Feature	Description
Set Category Ringer ID	Set a distinctive ring for calls from contacts entries in a specific category: 🗐 > Contacts 🗐 > Categories, scroll to entry, press 🗐 > Edit > Ringer ID
Sort Contacts List	Set the order in which contacts entries are listed: 🗐 > Contacts 🗐 > Setup > Sort by > *sort order*
Set Primary Number	Set the primary number for a contacts entry with multiple numbers: 🗐 > Contacts, scroll to entry, press 🗐 > Set Primary > *phone number*

Feature	Description
1-Touch Dial	Set 1-touch dial to call entries stored in your phone memory contacts or the SIM card contacts: 🗐 > Settings > Initial Setup > 1-Touch Dial

11.2.5 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 contacts 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
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

Feature	Description
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold ▤. Select a shortcut: ▤ > Organiser > Shortcuts > *shortcut name* **Note:** *Your phone has preconfigured Vodafone shortcuts that enable you to access Vodafone live! services quickly. These include: Vodafone Mail, Vodafone Messenger and My Vodafone.*

11.2.6 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

11.2.7 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

Feature	Description
Quick Dial	Dial preprogrammed phone numbers: ▤ > Tools > Dialling Services > Quick Dial
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 contacts or call logs lists, then press ▤ > Send Tones.

11.2.8 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
Call Cost	View call cost trackers: ▤ > Recent Calls > Call Cost

11.2.9 Handsfree Features

Note: *The use of mobile 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

Feature	Description	
Auto Handsfree (car kit)	Automatically route calls to a car kit when connected: ▤ > Settings > Car Settings > Auto Handsfree	Optional Accessory
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

11.2.10 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

11.2.11 Network Features

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

11.2.12 Personal Organiser Features

Feature	Description
Create Calendar Event	Create a new calendar event: ▤ > Calendar, highlight the day, press the centre select button, press ▤ > New
View Calendar Event	View or edit event details: ▤ > Calendar, 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

Feature	Description
Copy Calendar Event to Another Device	Copy a calendar event to another phone, computer, or device: ▤ > Calendar, highlight the day, press the centre select button, highlight the event, press ▤ > Send > transfer method
Set Alarm	Set an alarm: ▤ > Tools > Alarm Clock
Turn Off Alarm	Turn off alarm: Press the DISABLE key or ☎. Set 8-minute delay: Press the SNOOZE key.
Calculator	Calculate numbers: ▤ > Tools > Calculator

Feature	Description
Currency Converter	Convert currency: ▤ > Tools > Calculator ▤ > Exchange Rate Enter exchange rate, press the OK key, enter amount, press ▤ > Convert Currency.

11.2.13 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

11.2.14 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.

You can download for instance pictures, videos, ringtones and games from Vodafone live!.

Feature	Description
Launch browser	Start a Vodafone live! session: ▤ > Vodafone live! > Browser
Web Sessions	Select or create a Web session: ▤ > Vodafone live! > Internet Profiles
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.

Feature	Description
Download Game or Application (Browser)	Download a Java™ game or application with the browser: ▤ > Vodafone live! > 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
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: ▤ > My Items > Pictures
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded: ▤ > My Items > Sounds

Feature	Description
Manage Video Clips	Manage video clips: ▤ > My Items > Videos
Photo and Video Camera Settings	Adjust light level and other settings for the integrated camera: ▤ > My Items > Camera ▤ > Picture Setup or ▤ > My Items > Record Video ▤ > Video Setup *Note:* The photo and video cameras use the same settings.

THIS MODEL MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The ICNIRP SAR limit for mobiles devices used by the general public is 2 W/kg and the highest SAR value for this device when tested at the ear was 0.96 W/kg*. As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this user guide**. In this case, the highest tested SAR value is 0.72 W/kg*.

As SAR is measured utilising the devices highest transmitting power, the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

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.

The World Health Organisation has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a 'hands-free' device to keep the mobile phone away from the head and body.

Additional Information can be found on the websites of the World Health Organisation (http://www.who.int/emf) or Motorola, Inc. (http://www.motorola.com/rfhealth).

---

* The tests are carried out in accordance with international guidelines for testing. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

** Please see the Safety and General Information section about body worn operation.

6803556C14