

INSTRUCTION MANUAL

- A preliminary draft copy of the User's Manual follows this cover page.
- The User's Manual will have the following text added to it:

"NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help."



MOTOMANUAL

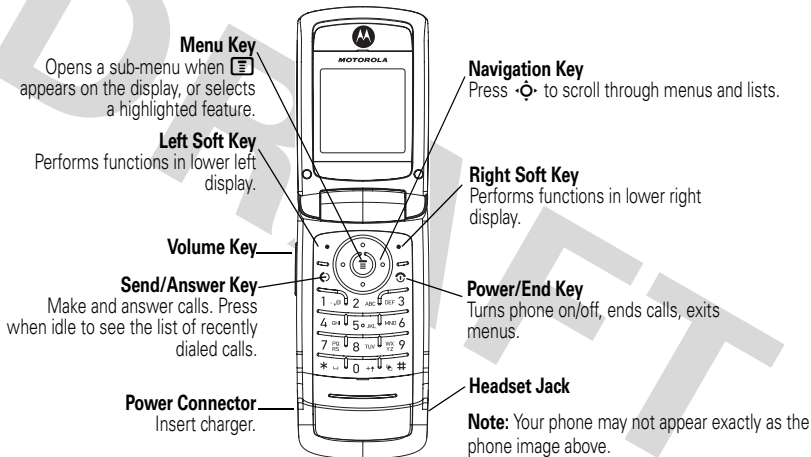
DRAFT

W220
GSM 900/1800

motorola.com

HELLOMOTO

Introducing your new Motorola W220 GSM wireless phone. Here's a quick anatomy lesson.



Motorola, Inc.
Consumer Advocacy Office
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www.hellomoto.com

Certain mobile phone features are dependent on the capabilities and settings of your service provider's network. Additionally, certain features may not be activated by your service provider, and/or the provider's network settings may limit the feature's functionality. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in this user's guide are based upon the latest available information and are believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

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menu map

main menu



Phonebook



Recent Calls

- Received Calls
- Dialed Calls
- Notepad
- Erase All
- Call Time*
- Call Cost*
- GPRS Data Counter*
- GPRS Connection Time*



Messages

- Create Message
- Message Inbox
- Outbox
- Drafts
- Voicemail*
- Browser Msgs*
- Quick Notes
- MMS Templates



Tools

- Calculator
- Calendar
- Shortcuts
- Chat*
- SIM Toolkit *
- Lantern



Game



WebAccess

- Browser
- Web Shortcuts
- Go to URL
- History
- Web Sessions
- Web Settings



Multimedia

- Pictures
- Sounds
- FM Radio



Alarm Clock



Settings

- (see next page)

* network or subscription dependent features

This is the standard main menu layout. Your phone's menu may be a little different.

settings menu



Personalize

- Home Screen
- Color Style
- Wallpaper
- Quick Dial



Ring Styles

- Style
- (Style) Detail



Call Forward*

- When Busy
- No Reply
- Not Reachable
- Not Available
- All Calls
- Cancel All



In-Call Setup

- Dialing Prefix*
- In-Call Timer
- Call Cost Setup
- Show Number
- Call Waiting*
- Anykey Answer
- Open to Answer
- Session Information
- Auto Redial



Headset & Car Setting

- Auto Answer



Initial Setup

- Time and Date
- Backlight
- Language
- Contrast
- Input Mode
- Connection Indication
- Status Indicator
- Master Reset
- Master Clear



Auto Power Off



Phone Status

- My Tel. Number
- Active Line*
- Battery Meter



Security

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



Network

- New Network
- Network Setup
- Available Networks
- Service Tone



Lantern

- 30 seconds
- 1 Minute
- 2 Minutes

* network or subscription dependent features

This is the standard settings menu layout. Your phone's menu may be a little different.

Use and Care

To care for your Motorola phone, please keep it away from:



liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture.



dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.



extreme heat or cold

Avoid temperatures below -10°C/14°F or above 45°C/113°F.



cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.



microwaves

Don't try to dry your phone in a microwave oven.



the ground

Don't drop your phone.

essentials

CAUTION: Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

about this guide

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

Find it: Press  > **Recent Calls**
> **Dialed Calls**

This example shows that, from the home screen, you press  to open the menu, highlight and select **Recent Calls**, and then highlight and select **Dialed Calls**.

Press  to scroll to and highlight a menu feature. Press **SELECT** or  to select the highlighted menu feature.

symbols



This means a feature is network, SIM card, or subscription dependent and may not be available in all areas. Contact your service provider for more information.



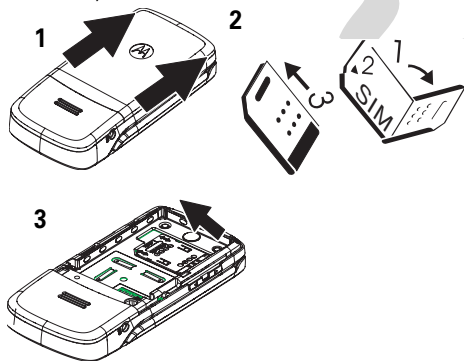
This means a feature requires an optional accessory.

SIM card

Your *Subscriber Identity Module* (SIM) card contains your phone number, service details, and phonebook/message memory.

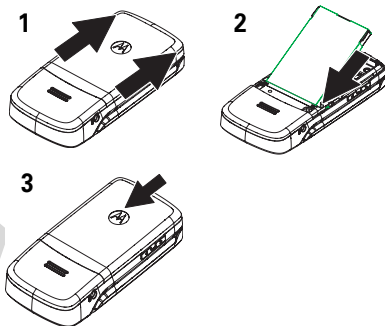
install your SIM card

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



battery

battery installation



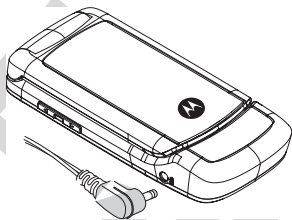
battery charging

New batteries are shipped partially charged.

Before you can use your phone, install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

Plug the travel charger into your phone and an electrical outlet. The battery status indicator is lit during charging and goes off when charging is complete.

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



battery tips

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

- Always use Motorola Original batteries and 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 place.
- 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.



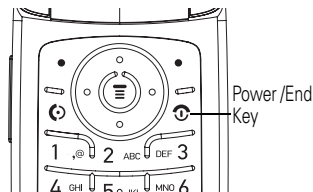
Contact your local recycling center for proper battery disposal.

Warning: Never dispose of batteries in a fire because they may explode.

Before using your phone, read the battery safety information in the “Safety and General Information” section included in the gray-edged pages at the back of this guide.

turn it on & off

Press and hold  to turn on the phone. If prompted, enter your SIM card



PIN code and press **OK** 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**. Contact your service provider.

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

Note: The phone unlock code can be 4 to 8 digits long. The default unlock code is 1234 (default code may be different in some regions – contact your service provider).

make a call

Enter a phone number and press  to make a call.

To end the call, press  or close the phone.

answer a call

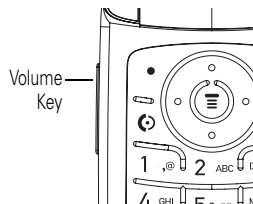
When your phone rings and/or vibrates, just press  to answer.

To end the call, press  or close the phone.

adjust the volume

Press the volume keys to:

- turn off an incoming call alert (press up or down)
- increase and decrease the earpiece volume
- change the ringer volume from the home screen
- change the FM Radio volume



view your phone number

Press  > **Settings** > **Phone Status** > **My Tel. Number**.

main attractions

You can do much more with your phone than make and receive calls!

use the FM radio

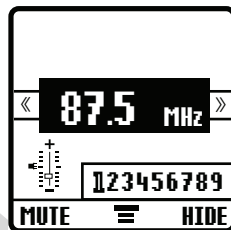
You can listen to and program up to nine of your favorite FM radio stations.

turn on the FM radio

Find it: Press  > **Multimedia** > **FM radio**

The FM radio will automatically tune in the lowest available frequency when you use it for the first time. After that, it will tune in the frequency last used. Press  up and down

or use the side volume key to increase or decrease the volume.



Press **MUTE** to make the output volume silent.

Note: The earpiece must be inserted into the phone for the FM radio to function. If you try to turn it on without inserting the earpiece, your phone will display **Please Insert The Earpiece**.

Note: The headset also acts as an antenna, so the FM Radio receiver performance is

dependent on the type of headset device connected. If a non-Motorola 3.5 mm headset is connected to the phone through the adapter (2.5 - 3.5 mm), or the headset is curled up or kinked, performance may be affected.

tune the FM radio

- 1 Press  > **Multimedia** and scroll to FM radio.
- 2 Press  left or right to increase or decrease the frequency. Each keypress will increase or decrease the frequency by 0.1 MHz.
- 3 Press and hold  left or right to activate the scanning feature. The FM radio will scan to the next usable frequency. You can continue scanning by pressing  again. Press **SELECT** > **Save Channel** to save the channel.

use the radio presets

You can store up to nine preset radio stations.

set the radio presets

- 1 Tune in the desired frequency by pressing  left or right.
- 2 Press and hold **[1]** - **[9]** to save that number as the preset.

select a radio preset

Press **[1]** - **[9]** to select the corresponding radio preset.

FM radio selection

You can manually set the radio frequency and display or edit the frequency list.

display the FM radio selection

Press  to display FM radio selection.

There are five items in the “FM Radio Selection”: **Save Channel**, **Set Frequency**, **Channel List**, **Speaker On**, and **FM Radio Off**.



set frequency



- 1 Press  and scroll to **Set Frequency**. Press **SELECT**.

- 2 Use the number keys to enter the desired frequency. Press  to enter a decimal point.
- 3 Press **OK**.

display or edit the channel list

- 1 Press  and scroll to **Channel List**. Press **SELECT**.
- 2 Press the keypad keys to select the desired channel or press  to scroll to the desired channel, then press **EDIT**.
- 3 Use the number keys to enter the **Channel Name and Frequency**.
- 4 Press **SAVE**.



play FM radio through speaker or headset

Press  and scroll to **Speaker On**, then press **SELECT**. To play the FM Radio through the headset, press  and scroll to **Headset On**, then press **SELECT**.

Note: The headset must be inserted into the phone for the FM radio to play through the Speaker.

turn off FM radio

- 1 Press  and scroll to **FM Radio Off**.
- 2 Press **SELECT**.

send a multimedia message

A *Multimedia Messaging Service* (MMS) message contains one or more

pages with text and embedded media objects (pictures or sounds). You can send the multimedia message to other wireless phones with MMS.

Find it: Press  > **Messages** > **Create Message** > **New Multimedia Msg**

- 1 Press  -  to enter text message.
- 2 Press **OPTIONS** to open the **MMS Menu**.
- 3 Press **SEND** to send multimedia message.

receive a multimedia message

When you receive a multimedia message, your phone displays the  indicator and **New Message**, and sounds an alert.

Press **VIEW** to open the message.

Multimedia messages that you receive can contain different media objects:

- Photos and animations are displayed as you read the message.
- A sound file or video clip begins playing when its page is displayed.

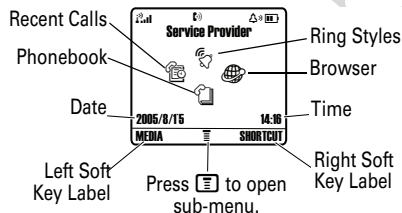
Note: In a multimedia message, you may have to highlight an indicator to play a sound file or video clip.

basics

See page 1 for a basic phone diagram.

display

The home screen displays when you turn on the phone or when you are on a call. You must be in the home screen to dial a phone number.



Press the 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 in the previous illustration. For example, your service provider may hide the menu icons to allow a better view of the wallpaper image. You can still select the menu icons when they are hidden from view. To show or hide the menu icons, see page 47.

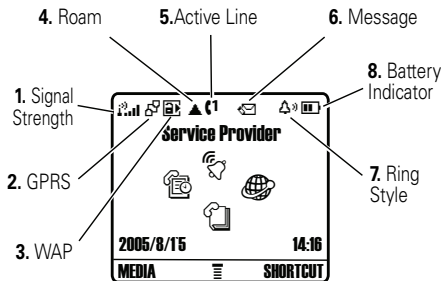
When the  is displayed, you can press  to enter the sub-menu.

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

Your phone can display the time and date in the home screen. For time & date setup, see page 47.

status indicators

Status indicators may be shown at the top of the home screen:



- 1 Signal Strength Indicator** – Vertical bars show the strength of the network connection.

You can't make or receive calls when  is displayed.

- 2 GPRS Indicator** – GPRS-net connected and GPRS packet message can be sent.
- 3 Data Transmission Indicator** – Via network (phone-to-computer data transfer is not supported).
- 4 Roam Indicator** – Appears when your phone uses another network system outside your home network.
- 5 Active Line Indicator** – Shows  to indicate an active call.
 = line 1 active  = line 2 active
- 6 Message Indicator** – Shows when you receive a new message, or when

message memory is full. Indicators can include:

 = new text message

 = new multimedia message

 = voicemail message

 = active chat session

7 Ring Style Indicator – Shows the ring style setting.

 = Loud

 = Vibe & Ring

 = Soft

 = Silent

 = Vibrating

8 Battery Indicator – Vertical bars show the battery charge level. Recharge the battery when your phone shows **Low Battery**.

The following table describes other indicators your phone can display:

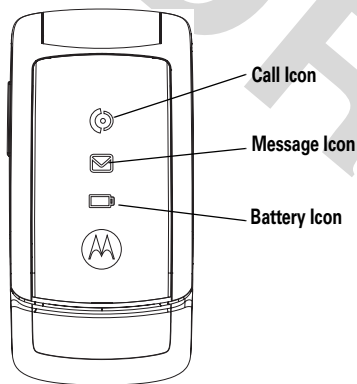
alert/indicator
GPRS service Shows when the GPRS-net is connected and GPRS packet messages can be sent.
using GPRS Shows when GPRS PDP is connected or loading.
uncoded web Indicates an Uncoded Web server connection is present.
holding web Indicates a Holding Web server connection is present.

alert/indicator
 coded web Indicates a Coded Web server connection is present.
 roaming Indicates roaming on other networks is enabled.
 call forward Indicates that Call forward is enabled and all unanswered calls will be forwarded.
 holding call Indicates the current call is on hold.

alert/indicator
 silent mode Indicates Silent mode is enabled.
 alarm on Shows when an alarm has been set.
 web server transferring Indicates Web Server is receiving & sending messages.

status icons

The status icons show the status of incoming calls, messages, and the battery.



alert/icon

call icon

Icon rapidly flashes green for incoming calls from a known caller, and slowly flashes green for 30 minutes when there is a missed call from a known caller.

Icon rapidly flashes orange for incoming calls from an unknown caller, and slowly flashes orange for 30 minutes when there is a missed call from an unknown caller.

message icon

Icon flashes blue for 30 minutes when there is a new text or voice message.

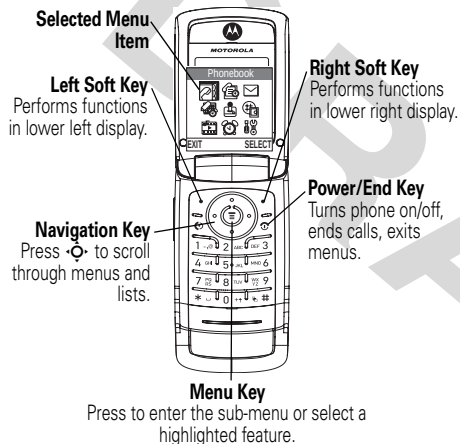
battery icon

Icon flashes orange when the battery power is low, and is continually lit when the battery is charging.

Note: You can turn off the status icons. Press  > **Settings** > **Initial Setup** > **Status Indicator** > **Off**

menus

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



Note: The menu icons shown above may not be available depending on your service provider and service subscription options.

Press  to scroll to and highlight a menu feature icon in the main menu.

icon	feature	icon	feature
	Phonebook		WebAccess
	Recent Calls		Multimedia
	Messages		Alarm Clock
	Tools		Settings
	Games		

select a menu feature

The following example shows how to select a menu feature, starting from the home screen:

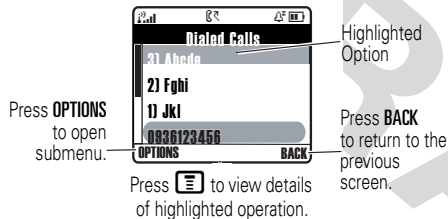
Find it: Press  > Recent Calls > Dialed Calls

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 **Dialed Calls**. Press  to scroll, and use the left or right soft keys to

select the functions displayed in the bottom corners of the display.

select a feature option

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



Press  up or down to highlight the option you want.

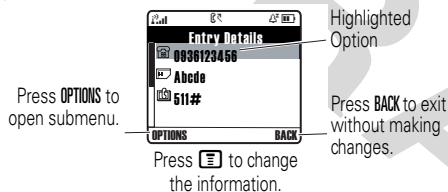
- In a numbered list, press a number key to highlight the option.

- 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.

text entry

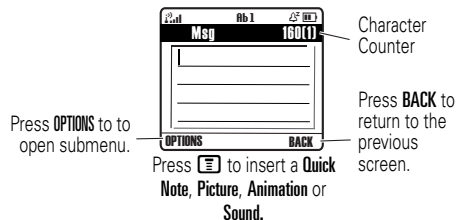
Here are some examples of text entry in your phone. You can use different text entry modes.

You can make changes to **Phonebook** entries in terms of contact name, contact number, and speed dial number..



You can create a new message by entering text in the message center. The *character*

counter indicates how many more characters will fit in the message.



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. To change entry modes, press [#].

entry modes	
 or 1	Your Primary text entry mode can be set to any iTAP  or TAP 1 mode.
 or 2	Your Secondary text entry mode can be set to any iTAP  or TAP 2 mode, or set to Disable if you don't want a secondary entry mode.
123	Numeric mode enters numbers only.

set up a text entry mode

To set your **Primary** and **Secondary** text entry modes, press **OPTIONS** > **Input Setup** in a text

entry view and select **Primary Setup** or **Secondary Setup**.

TAP English

Enter letters and numbers by pressing a key one or more times (see page 27).

iTAP English

Lets the phone predict each word as you press keys (see page 29).

capitalization

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

ab = no capital letters

AB = all capital letters

Ab = capitalize next letter only

text entry indicators

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

primary	secondary	
1	2	TAP, no capital letters
1↑	2↑	TAP, capitalize next letter only
1↑	2↑	TAP, all capital letters
1□	2□	iTAP, no capital letters
1↑	2↑	iTAP, capitalize next letter only
1↑	2↑	iTAP, all capital letters

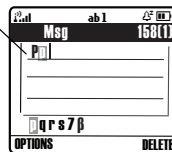
tap mode

Press **[#]** in a text entry view to switch to **TAP** mode. If you don't see **Abc1** or **Abc2**, press **OPTIONS > Input Setup** to set **TAP** mode as your **Primary** or **Secondary** text entry mode.

To enter text in **TAP** mode, press a keypad key repeatedly to cycle through the letters and number on the key. Repeat this step to enter each letter.

Character displays at insertion point.

After 2 seconds, the character is accepted and the cursor moves to the next position.



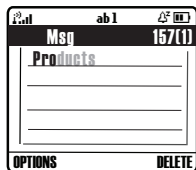
Press **DELETE** to erase the character to the left of the insertion point.

Tip: Press **·⊙·** up to accept a word completion; press **[*]** to insert a space.

When you enter 3 or more characters in a row, your phone may guess the rest of the

word. For example, if you enter **Pro** you might see:

Press **↶** up to accept **Products**, or press **✕** / **↷** down to reject it & enter space after **pro**.



Character displays at insertion point.

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

Tip: Press and hold **DELETE** to clear the whole page of text entered.

character chart

Use this chart as a guide for entering characters.

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

tap method text entry rules

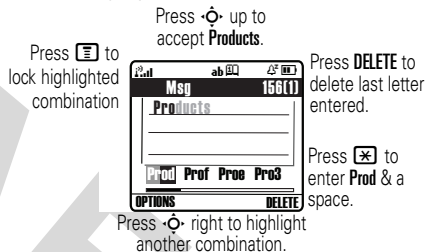
- Press a keypad key repeatedly to cycle through its characters.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized.
- If you enter or edit information and do not want to save the changes, press  to exit without saving.

iTAP® mode

Press  in a text entry view to switch to iTAP mode. If you don't see  or , press **OPTIONS** > **Input Setup** to set iTAP mode as your **Primary** or **Secondary** text entry mode.

iTAP mode lets you enter words using one key press per letter. The iTAP software combines your key presses into common words, and predicts each word as you enter it.

For example, if you press , , , , the letter combinations that match your key presses display the word **Product**.



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

Tip: You can turn on/off the function of **Word Completion** by pressing  > **Settings** > **Initial Setup** > **Input Mode** > **Word Completion**

To enter numbers quickly, press and hold a number key to temporarily switch to **Numeric** mode. Press the number keys to enter the numbers you want. Press  to change back to **iTAP** mode.

Press  to enter punctuation or other characters.

- 1 Press  ~  to show possible letter combinations at the bottom of the display.
- 2 Press  or  to highlight the combination you want.
- 3 Press  to enter the highlighted combination when a word appears in the display. A space is automatically inserted after the word.

If you enter a word that your phone does not recognize, the phone stores it to use as one

of your word options. When you fill the available memory space for unrecognized words, your phone deletes the oldest words to add new words.

numeric mode

In a text entry screen, press  to switch entry modes until the **12** (numeric) indicator displays.

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

symbol mode

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

Press keypad keys repeatedly to cycle through its symbols.

If you do not press a key for 2 seconds, the highlighted symbol is accepted, and the cursor moves to the next position.

When you finish entering symbols, press **[#]** to switch to another entry mode.

symbol chart

Use this chart as a guide for entering characters with the **Symbol** mode.

[1]	. ? ! , @ ' - _ : ; () & " ~ 1 0 ÷ j % £ \$ ¥ ¢ € + × * / \ [] = > < # §
[2]	@ _ \ α β
[3]	/ : ; δ Δ ε φ Φ
[4]	" & ' v Γ η ι
[5]	() [] { } κ λ Λ
[6]	¿ ¡ ~ μ ν ω Ω
[7]	< > = π Π ρ σ Σ
[8]	\$ £ ¥ ¢ € θ Θ τ υ

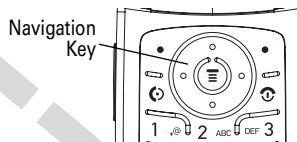
[9]	# % * ζ ξ Ξ X ψ Ψ
[0]	+ - X * / \ [] = > < # §
[*]	enter a space (hold to enter a return)
[#]	change text entry method (hold for default)

Note: This chart may not reflect the exact character set available on your phone.

navigation key

Press the *navigation key*  to scroll up, down, left,

or right to highlight menu items, to change feature settings, and to play games. Press the left soft key or **[≡]** to select a highlighted menu item.



Note:  usually performs the same function as the left soft key.

codes & passwords

Your phone's 4-digit **unlock code** is originally set to **1234**. If your service provider didn't change the code, you should change it:

Press  > **Settings** > **Security** > **New Passwords**

If you forget your unlock code: At the **Enter Unlock Code** prompt, try entering     or the last four digits of your phone number.

If you forget other codes: If you forget your security code, SIM PIN code, PIN2 code, or call barring password, contact your service provider.

lock & unlock your phone

You can lock your phone to keep others from using it. To lock or unlock your phone, you need the 4-digit unlock code.

To **manually lock** your phone:

Press  > **Settings** > **Security** > **Phone Lock** > **Lock Now**.

To **automatically lock** your phone whenever you turn it off:

Press  > **Settings** > **Security** > **Phone Lock** > **Automatic Lock** > **On**.

Note: You can make emergency calls on a locked phone (see page 40). A locked phone still rings or vibrates for incoming calls or messages, **but you need to unlock it to answer**.

unlock your phone

Your service provider may reset the unlock code to the last 4 digits of your phone number.

At the **Enter Unlock Code** prompt:

- 1 Press keypad keys to enter your unlock code.
- 2 Press **OK** to unlock your phone.

customize

ring style

Your phone rings or vibrates to notify you of incoming calls and other events.

You can select one of the five ring style profiles:

 = Loud

 = Vibe & Ring

 = Soft

 = Silent

The current ring style indicator will be shown at the top of your phone display.

To set a ring style:

Find it: Press  > **Settings** > **Ring Styles** > **Style**

1 Press  to scroll to the ring style.

2 Press **SELECT** to select the ring style.

Each ring style consists of the following style detail settings: **Ring Volume**, **Ring Tone**, **Incoming Call Alert**, **Message Alert Tone**, **Key Tone Volume**, **Key Tone Type**, **Reminders**, **Startup Music**, and **Power Off Music**. To change these settings, press  > **Settings** > **Ring Styles** > *style Detail*.

Note: You can't set an alert for the **Silent** style profile.

time & date

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

Find it: Press  > **Settings** > **Initial Setup** > **Time and Date**

wallpaper

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

Find it: Press  > **Settings** > **Personalize** > **Wallpaper**

options	
Picture	Select an image for your wallpaper, or Off for no wallpaper.
Layout	Select Center to center the image in the display, Tile to repeat the image across the display, or Fit-to-screen to stretch the image across the display.

display appearance

This section explains how to adjust the display contrast, color, and backlight.

contrast

Find it: Press  > **Settings** > **Initial Setup** > **Contrast**

Press  right to increase the contrast.
Press  left to decrease the contrast.

color

Select the color style that sets the look and feel of your phone.

Find it: Press  > **Settings** > **Personalize** > **Color Style**

- 1 Press  to scroll to a **Color Style**.
- 2 Press **OK** to select the **Color Style**.

3 Press **BACK** to return to previous menu.

backlight

You can set the amount of time your phone's display and keypad backlight remain lit.

Find it: Press  > **Settings** > **Initial Setup** > **Backlight**

- 1** Press  up or down to scroll to a time-out setting.
- 2** Press **OK** to select the setting.
- 3** Press **BACK** to return to previous menu.

Note: To save battery life, a shorter backlight display time should be chosen.

The display and keypad backlight will be lit when you press any key.

answer options

As an alternative to opening the flip to answer an incoming call, you can use **Anykey Answer**.

To activate or deactivate this option:

Find it: Press  > **Settings** > **In-Call Setup**.

- 1** Press  to scroll to **Anykey Answer**.
- 2** Press **ON** to select the option.

calls

For basic instructions on how to make and answer calls, see page 12.

turn off a call alert



While the phone is ringing or vibrating:

Press **IGNORE** to cancel the incoming call.

Alternatively, you can press the side volume key up or down to turn off the call alert (if the answer call option is not set to **Anykey Answer**).

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

recent calls

Your phone keeps lists of the calls you recently received and dialed, even for calls that did not connect or are missed. The most recent calls are listed first. The oldest calls are deleted as new calls are added.

Tip: Press  from the home screen to view the list of dialed calls.

Find it: Press  > **Recent Calls**

- 1 Press  to scroll to **Received Calls** or **Dialed Calls**.
- 2 Press **SELECT** to select the list.
- 3 Press  to scroll to an entry. A ✓ represents calls that are connected.

- 4 To call the number, press .
- 5 To see the call details, press **OPTIONS** > **VIEW**.

redial

- 1 Press  to view the dialed calls list.
- 2 Press  to scroll to the entry you want to call.
- 3 Press  to redial the number.

return a call

Your phone keeps a record of your unanswered calls and displays:

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

- 1 Press **DETAIL** to see the list of received calls.

- 2 Press  to select a call to return.
- 3 Press  to make the call.

notepad

The most recent set of digits entered on the keypad are stored in your phone's notepad memory. These digits 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 it: Press  > **Recent Calls** > **Notepad**

Press  to call the number.

or

Press **SAVE** to create a phonebook entry with the number in the **No.** field.

hold a call

Press **HOLD** (if available) to put the call on hold.

or

Press  > **Hold**.

call waiting



When you are on a call and a second call comes in, an alert tone sounds to indicate that you have a call waiting.

- 1 Press  to answer the new call.
- 2 Press **SWITCH** to switch between calls.

or

Press **LINK** to connect the 2 calls.

or

Press  > **End Calls** to end all calls, currently connected call, or the call on hold.

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

Press  > **Settings** > **In-Call Setup** > **Call Waiting**

caller ID

incoming calls



Calling Line Identification (Caller ID) displays the phone number of the incoming calls in your phone's display.

The phone displays the caller's name when the name is stored in your phonebook, or the incoming caller's phone number when Caller ID information is not available.

outgoing calls

You can show or hide your phone number from the called party for the calls you make.

Find it: Press  > **Settings** > **In-Call Setup** > **Show Number**



emergency calls

Your service provider programs one or more emergency phone numbers, such as 112, 911, or 000 that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted.

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

- 1 Press keypad keys to dial the emergency number.
- 2 Press  to call the emergency number.

international calls

If your phone service includes international dialing, press and hold  to insert your local international access code (indicate by +). Then, press the keypad keys to dial the country code and phone number.

1-touch dial

To call phonebook entries 1 through 9, press and hold the single-digit speed dial number for one second. If no speed dial number is assigned to the digit, you will be prompted to assign a number.

voicemail



Voicemail messages that you receive are stored on the network, not on your phone. To listen to your messages, you must call your voicemail phone number.

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

listen to voicemail messages

Find it: Press  > **Messages** > **Voicemail**

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

Tip: Press and hold  to automatically access your voicemail.

receive voicemail

When you receive a voicemail message, your phone displays the  indicator and **New Voicemail**.

Press **CALL** to 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.

store 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 it: Press  > **Messages** > **OPTIONS**

> **Voicemail Setup**

- 1** Press keypad keys to enter your voicemail number.
- 2** Press **SAVE** to store the number.

You cannot store a **p** (pause) 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.

other features

advanced calling

feature	description
conference call	During a call:  > Hold , dial next number, press  , press LINK 
call forwarding	Set up or cancel call forwarding:  > Settings > Call Forward 
call barring	Restrict outgoing or incoming calls:  > Settings > Security > Call Barring 

feature	description
fixed dial	When you turn on fixed dialing, you can call only numbers stored in the fixed dial list.  Turn fixed dialing on or off:  > Settings > Security > Fixed Dial Use the fixed dial list:  > Settings > Security > Fixed Dial > Number List
transfer a call	During a call press  > New Call , dial the number and press  . When connected, press  > Transfer .

feature	description	
auto redial	When you receive a busy signal, your phone displays Number Busy . Set up your phone to automatically redial the number:	
	 > Settings > In-Call Setup > Auto Redial	
	When the call goes through, your phone rings or vibrates once, and connects.	

feature	description	
speed dial	Speed dial a phonebook entry:	
	Enter the speed dial number, press  , then press  to call.	
	See an entry's speed dial number:	
	 > Phonebook , scroll to the entry, press  .	

phonebook

feature	description
create entry	Create a new phonebook entry:  > Phonebook > OPTIONS > New Shortcut: Key in number using Keypad keys, then press SAVE > SIM/Phone Memory .
dial number	Call a number stored in the phonebook:  > Phonebook, highlight the phonebook entry, press  to call.

feature	description
set category for entry	Set the category for a phonebook entry:  > Phonebook > desired entry > OPTIONS > Change Group Note: The Category option is not available for entries stored on the SIM card. Hint: You can rename your category:  > Phonebook > OPTIONS > Categories > desired category > OPTIONS > Rename
set category view	Set a phonebook category view:  > Phonebook > OPTIONS > Categories > desired category > 

feature	description
sort phonebook list	Set the order in which phonebook entries are listed:  > Phonebook > OPTIONS > Setting > Sort by > <i>sort order</i>

messages

feature	description
send text message	Send a text message:   > Messages > Create Message > New Short Msg
send multimedia message	Send a multimedia message:   > Messages > Create Message > New Multimedia Msg

feature	description
use MMS template	Open an MMS template with preloaded media:   > Messages > Create Message > MMS Templates
read message	Read a new text or multimedia message that you have received:  Press DETAIL .
store message objects	Go to a multimedia message page or highlight an object in a message, then:  OPTIONS > Save Object

chat

feature	description	
start chat	Start a new chat session:  > Tools > Chat Edit Nickname, press  . Enter new number or press PH.BOOK > <i>desired entry</i> > OK Then press  > compose a chat > 	
receive chat request	When you receive a chat request: Press ACCEPT or IGNORE .	
end chat	During a chat session:  > End Chat	

personalizing

feature	description	
language	Set the menu language:  > Settings > Initial Setup > Language	
change home screen keys and icons	Change the soft key labels and menu feature icons on the home screen:  > Settings > Personalize > Home Screen > Home Keys	
enable time and date display	Turn the date and time display on and off:  > Settings > Personalize > Home Screen > Clock	
change home screen layout	Change the layout of the home screen:  > Settings > Personalize > Home Screen > Layout	

feature	description
color style	Change the color scheme of the display:  > Settings > Personalize > Color Style
quick dial	Assign quick dial keys to phone numbers:  > Settings > Personalize > Quick Dial

feature	description
shortcuts	Create a shortcut to a menu item:  > Tools > Shortcuts > [Edit Shortcut] Highlight the menu item, then press SELECT and assign a number. Select a shortcut:  > Tools > Shortcuts > <i>shortcut name</i>

feature	description
store your name and number	Store or edit your name and phone number information on your SIM card:  > Settings > Phone Status > My Tel. Numbers If you do not know your phone number, contact your service provider.
master reset	Reset the phone to the default settings, except unlock code, security code, and lifetime timer:  > Settings > Initial Setup > Master Reset

feature	description
master clear	Erase all downloaded files and clear all settings and entries except SIM card information, unlock code, and security code.  > Settings > Initial Setup > Master Clear Caution: Master clear erases all information you have entered (including phonebook and datebook entries) and content you have downloaded (including photos and sounds) stored in your phone's memory. After you erase the information, you can't recover it.

phone alerts

feature	description
ring style	Change the ring alert:  > Settings > Ring Styles > Style
ring volume	Set the ringer volume:  > Settings > Ring Styles > Style Detail > Ringing Volume
ringing tone	Set ring tone melody:  > Settings > Ring Styles > Style Detail > Ringing Tone
create ring tones	Create ring tones that you can use on your phone:  > Multimedia > Sounds > [New iMelody]

feature	description
incoming call alert	Set the alert style for incoming calls:  > Settings > Ring Styles > Style Detail > Incoming Call Alert
message alert tone	Set message alert:  > Settings > Ring Styles > Style Detail > Message Alert Tone
key tone volume	Set keypad key press volume:  > Settings > Ring Styles > Style Detail > Key Tone Volume
key tone type	Set keypad tone:  > Settings > Ring Styles > Style Detail > Key Tone Type
reminders	Turn reminders on and off:  > Settings > Ring Styles > Style Detail > Reminders

feature	description
startup music	Turn the startup music on and off:  > Settings > Ring Styles > Style Detail > Startup Music

miscellaneous

feature	description
auto power off	Enable the power saving feature:  > Settings > Auto Power Off

feature	description
lantern	The Lantern feature enables you to change your phone's idle display into a flashlight. Enable the lantern:  > Tools > Lantern You can specify how long the Lantern feature lights the display when you activate it:  > Settings > Lantern >  > select timing > OK

feature	description	
change active line	Change the active phone line to make and receive calls from your other phone number:	
	 > Settings > Phone Status > Active Line	
	The Active Line indicator in the display shows which phone line is currently active (see page 19).	
	Note: This feature is available only for SIM cards enabled for dual phone lines.	

call times and costs

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 that 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 Time	
call cost	View call cost information:	
	 > Recent Calls > Call Cost	

handsfree

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
auto answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset:  > Settings > Headset & Car Setting > Auto Answer 

network

feature	description
network settings	View network information and adjust network settings:  > Settings > Network 

personal organizer

feature	description
create datebook event	Create a new datebook event:  > Tools > Calendar Highlight the day and press  to choose the date. Select [Add New] .
view or edit datebook event	View or edit event details:  > Tools > Calendar Highlight the day and press  to choose the date. Press SELECT to view or edit the event.

feature	description
set alarm	Set an alarm:  > Alarm Clock > [New Alarm] Use the keypad keys to enter info for Set alarm name and Set alarm time. Select SAVE. Press  to turn the alarm ON. Note: You can program the Alarm to go off Once, Daily, or Workday. You can also enable the Vibrator mode or change the Alarm tone.
turn off alarm	Turn off the alarm: Press STOP or . Set 5-minute delay: Press SNOOZE.

feature	description
calculator	Calculate numbers:  > Tools > Calculator
currency converter	Convert currency:  > Tools > Calculator Press OPTIONS. Scroll to Exchange Rate, press SELECT and choose Foreign Unit Expression or Domestic Unit Expression. Then enter the exchange rate. Enter an amount in the main calculator window, press . Choose either In Foreign or In Domestic to see the exchange value.

security

feature	description
SIM PIN	Lock or unlock the SIM card:  > Settings > Security > SIM PIN Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked.
lock application	Lock phone applications:  > Settings > Security > Phone Lock

games

feature	description
launch micro-browser	Start a micro-browser session:  > WebAccess > Browser

feature	description
download objects from web page	Download a picture, sound, or MMS template from a Web page:  > WebAccess > Browser , then go to the page that links to the media file. Highlight the file and press SELECT . Then press STORE . Note: Normal airtime and/or carrier usage charges apply. If you are unable to connect to the Web session, contact your service provider to verify the browser settings.
web sessions	Select or create a Web session:  > WebAccess > Web Sessions

feature	description
launch game	Launch game:   > Game Highlight the game and press SELECT. Instructions are included for each game.
manage pictures	Manage pictures and animations that you have downloaded:   > Multimedia > Pictures
manage sounds	Manage ring tones and sounds that you have composed or downloaded:  > Multimedia > Sounds

service and repairs

If you have questions or need assistance, we're here to help.

Go to www.motorola.com/consumer/support, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-331-6456 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. 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 organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.¹ Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada 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 level 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 wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and

certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is **1.24 W/kg**, and when worn on the body, as described in this user guide, is **0.47 W/kg**.

(Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

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.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

European Union Directives Conformance Statement



Hereby, Motorola declares that this product is in compliance with:

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

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.

IMEI: 350034/40/394721/9	
CE0168	
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

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U.S. patent Re. 34,976

DRAFT



MOTOROLA

Important Safety and Legal Information

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Manual Number: 6809497A59-B

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Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.*

Exposure to Radio Frequency (RF) Energy

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

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

* The information provided in this document supersedes the general safety information in user's guides published prior to May 1, 2006.

Operational Precautions

For optimal mobile device performance and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

External Antenna Care

If your mobile device has an external antenna, use only a Motorola-supplied or approved replacement antenna. Use of unauthorized antennas, modifications, or attachments could damage the mobile device and/or may result in your device not complying with local regulatory requirements in your country.

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

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder,

holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

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

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: www.motorola.com.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so. These locations include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Pacemakers

If you have a pacemaker, consult your physician before using this device.

Persons with pacemakers should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from your pacemaker when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some mobile devices may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult your physician or the manufacturer of your device to determine if it is adequately shielded from RF energy.

Driving Precautions

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

When using your mobile device while driving, please:

- Give full attention to driving and to the road. Using a mobile device may be distracting. Discontinue a call if you can't concentrate on driving.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving practices can be found in the "Smart Practices While Driving" section at the end of this guide and/or at the Motorola Web site: www.motorola.com/callsmart.

Operational Warnings

Obey all posted signs when using mobile devices in public areas, such as health care facilities or blasting areas.

Automobile Air Bags

Do not place a mobile device in the air bag deployment area.

Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often but not always posted, and can include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Damaged Products

If your mobile device or battery has been submerged in water, punctured, or subjected to a severe fall, do not use it until you take it to a Motorola Authorized Service Center. Do not attempt to dry it with an external heat source, such as a microwave oven.

Batteries and Chargers

If jewelry, keys, beaded chains, or other conductive materials touch exposed battery terminals, this could complete an electrical circuit (short circuit), become very hot, and could cause damage or injury. Be careful when handling a charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola Original batteries and chargers.**

Caution: To avoid risk of personal injury, do not dispose of your battery in a fire.

Your battery, charger, or mobile device may contain symbols, defined as follows:



Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.

Symbol	Definition
	Do not throw your battery or mobile device in the trash.
	Your mobile device contains an internal lithium ion battery.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

Choking Hazards

Your mobile device or its accessories may include detachable parts, which may present a choking hazard to small children. Keep your mobile device and its accessories away from small children.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has 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 physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the

lights on in the room, take a 15-minute break every hour, and stop use if you are very tired.

Caution About High Volume Usage



Listening at full volume to music or voice through a headset may damage your hearing.

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device. See RSS-GEN 7.1.5.

FCC Notice To Users

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).

If your mobile device or accessory has a USB connector, or is otherwise considered a computer peripheral device whereby it can be connected to a computer for purposes of transferring data, then it is considered a Class B device and the following statement applies:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who Is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

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How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

Hearing Aid Compatibility with Mobile Phones

Some Motorola phones are measured for compatibility with hearing aids. If the box for your particular model has "Rated for Hearing Aids" printed on it, the following explanation applies.

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

Information from the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF

exposure by limiting the length of calls or by using handsfree devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: <http://www.who.int/peh-emf>

Product Registration

Online Product Registration:

`direct.motorola.com/hellomoto/
Motosupport/source/registration.asp`

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation

or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Wireless: The New Recyclable

Your wireless mobile device can be recycled. Recycling your mobile device reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their mobile devices and have taken steps to promote the collection and environmentally sound recycling of end-of-life devices.

As a mobile device user, you have an important role in ensuring that this device is recycled properly. When it comes time to give this mobile device up or trade it in for a new one, please remember that the mobile device, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Devices, please visit us at: recycling.motorola.young-america.com/index.html

Smart Practices While Driving

Drive Safe, Call SmartSM

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. Go to www.motorola.com/callsmart for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original handsfree accessories available today.



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- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.

- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies.*
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.*
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.