



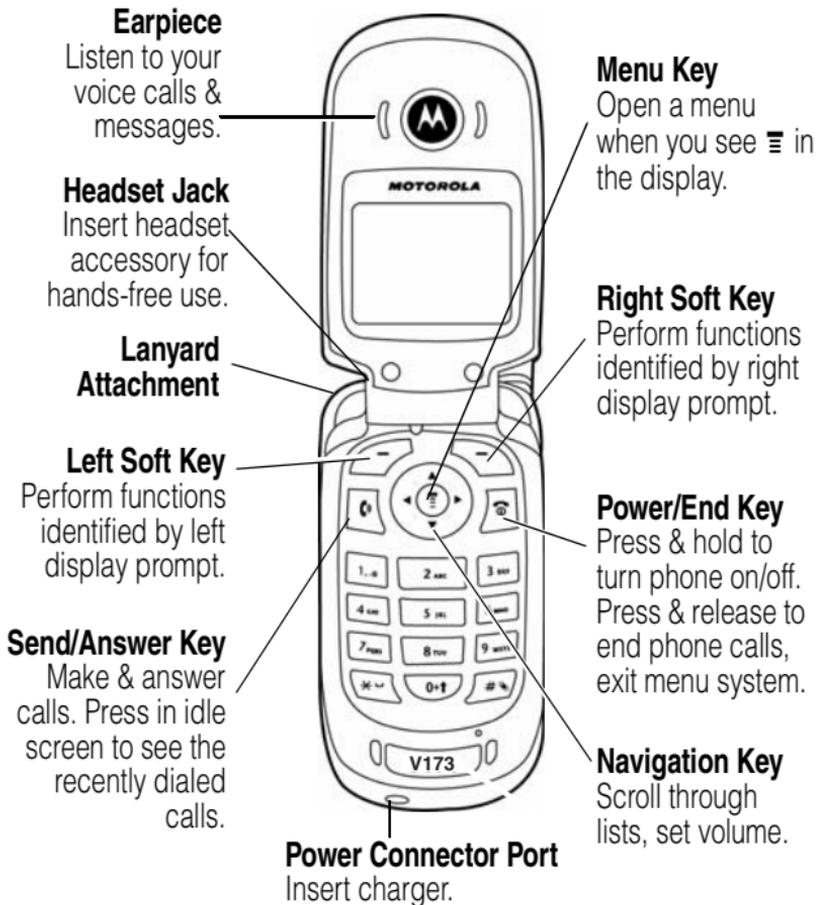
MOTOMANUAL

V173
GSM

motorola.com

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V173 wireless phone.



Note: Your phone may not appear exactly as the phone image above. However, all key locations, sequences, and functions remain the same.

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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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Manual number: 6809499A01-B

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Menu Map

Main Menu

- Messages
- Phonebook
- Recent Calls
- MyMenu
- Ring Style
- Alarm Clock
- Settings
- More
- Quick Dial
- Games
- Browser
- IM
- Chat

Note:

The Main Menu above represents the standard phone menu layout. You or your service provider may have changed the order of the menu layout or changed the feature names.

Not all features may be available for all users.

Shortcut

In idle, press  up or down to access phonebook, right or left to adjust volume.

Go to dialed calls:
press .

Exit the menu system:
press .

Settings Menu

- **Call Forward ***
 - Voice Calls
 - Cancel All
- **Phone Status**
 - My Numbers *
 - Active Line *
- **In Call Setup**
 - In-Call Timer
 - Call Cost Setup *
 - My Caller ID
 - Answer Options
 - Call Waiting
- **Security**
 - Phone Lock
 - Fixed Dial
 - Call Barring *
 - SIM PIN
 - New Passwords
- **Other Settings***
 - Personalize
 - Main Menu
 - Keys
 - Greeting *
 - Banner
 - Screen Saver
 - Quick Dial *
 - Wallpaper
 - Color Setting
 - Initial Setup
 - Time and Date
 - Power On/Off+
 - 1-Touch Dial
 - Backlight
 - Scroll
 - Main menu animation
 - Language
 - Display Timeout
 - Contrast
 - DTMF
 - Master Reset
 - Master Clear
 - Network
 - New Network
 - Network Setup
 - Avail. Networks
 - Service Tone
 - Call Drop Tone
 - Band Selection*
 - Headset
 - Auto Answer

*Optional Network, SIM card, or subscription-dependent features.

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



Be sure to turn off the power on/off feature when traveling on an airplane or in other situations where the use of the mobile phone is prohibited.

Getting Started

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 Manual

Optional Features



Features marked with this label are optional network, SIM card, and/or subscription-dependent features. All service providers in all geographical areas may not offer these features.

Contact your service provider for information about availability.

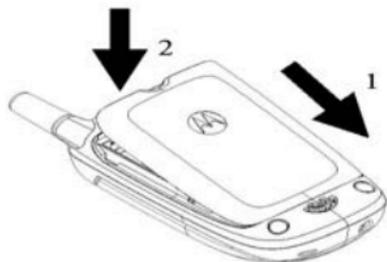
Optional Accessories



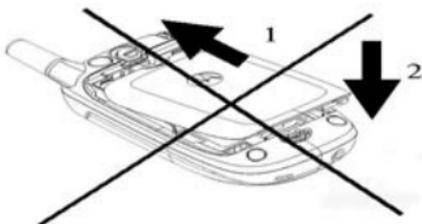
Features marked with this label require the use of an optional Motorola Original accessory.

Attaching the Battery Door

To close the battery door, slide the door in and push it down to lock it.

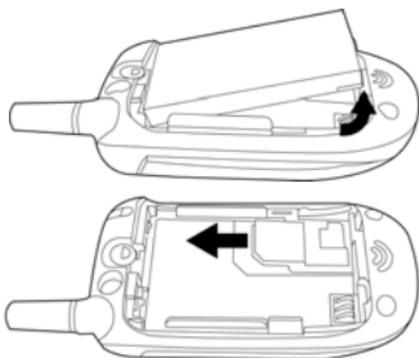


Do not close the battery door as shown below. Otherwise, you may break it.



Changing Your SIM Card and Battery

Your SIM (*Subscriber Identity Module*) card contains your phone number, service details and phonebook/message memory. Install it in your phone by placing it in the SIM card slot located on the back of your phone beneath the replaceable 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, dry 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 this guide.



Turning On/Off Your Phone



To turn on/off your phone, press and hold the Power/End key . If necessary, enter your SIM card PIN code and press .

Note: If you enter an incorrect code 3 times, your SIM card is disabled and the phone displays **SIM Blocked**. If necessary, enter your 4-digit code and press  to unlock your phone. The default unlock code is set to 1234.

Note: To automatically turn the phone on or off, see “Powering Off in Standby or Automatically Turn Off” on page 22.

Making and Answering Calls

To make a call, enter the number with the keypad keys, then press  to make the call. (Press **DELETE** () to erase the last digit. Press and hold **DELETE** () to erase all digits.)

To make a call from the phonebook, see page 49.

To answer a call, press .

You can also apply the **Multi-Key** answer function.

Find the Feature

-  > **Settings** > **In Call Setup**
- > **Answer Options**
- > **Multi-Key On**

Press  to end a call.

Adjusting the Volume

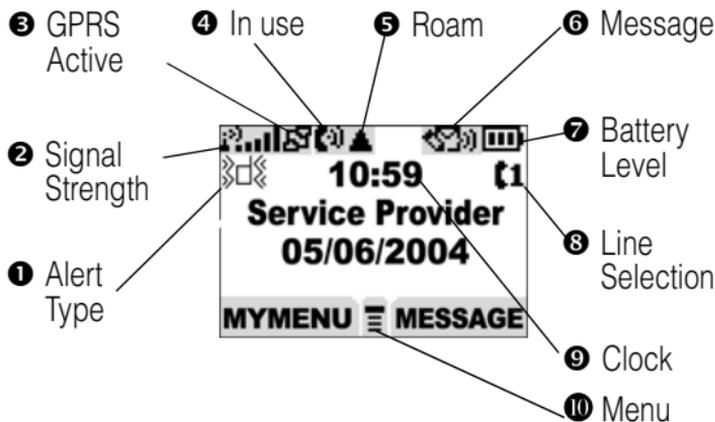
When you are in a call, you can adjust the earpiece speaker volume by pressing  right or left.

When the phone display is in idle, press  right or left to adjust the ring volume. Increase/decrease the volume by pressing to the right/left.



Learning to Use Your Phone

Symbols on the Screen



1 Alert Type Shows the current selected alert profile. The default alert setting is loud ring.

2 Signal Strength Shows the strength of your phone's connection with the network.

3 GPRS Active Indicates that your phone is using a high-speed GPRS network connection. GPRS allows faster data transfer speeds. The indicator does not mean that you are in a call, only that you are registered on the network via a GPRS connection.

4 In use Indicates when a call is in progress and when you have a secure or insecure connection.

- 5 **Roam** Appears when your phone uses another network system outside your home network.
- 6 **Message** Appears when you have a new voice or text message waiting. An icon here can also indicate your text entry mode, alphabet, numeric, symbol and etc.
- 7 **Battery Level** Shows the amount of charge left in your battery. The more bars visible, the greater the charge.
- 8 **Line Selection** Displays the current phone line you are using, depending on the service provider.
- 9 **Clock** Displays the real time (see page 19).
- 10 **Menu** Indicates that you can press the menu key to open the system menu.



Using the Menu

Navigating to a Feature

Use these keys to move through your phone's menu system:

 Apply the function identified by the right display prompt.

 Apply the function identified by the left display prompt.

 Make and answer calls, and view recent dialed calls.

 Press and hold to turn on/off the phone. Press and release to end calls and exit menus.

 Scroll through menus/lists, and set feature values.

The following demonstrates how to select a feature and enter information:

Find the Feature > **Recent Calls** > **Dialed Calls**

Press , scroll to **Recent Calls**, then select it to see the information of the last call.

Selecting a Feature

Scroll through numeric items. Press **VIEW/SELECT** () to see the details of a highlighted item. Press  again to enter the sub-menu.

Press **BACK/EXIT** () to return to a previous screen.

Entering Feature Information

Features such as **Phonebook** and **Greeting** require you to enter detailed information.

Enter numbers or text with the keypad.

Press **CANCEL** () to exit the menu without making changes.

Note: **OK** () appears when you enter information. Press it to save the information.

Press **CHANGE** () to edit a selected item. Also, you can scroll through numeric items.

Entering Text

The default Tap Method makes it easy for you to enter names, numbers and text messages on your phone. You

can enter all characters (letters, numbers, and symbols) using the standard Tap method.

To enter text with the Tap method, press a number key 1 or more times to cycle through characters. Release the key to enter the displayed character. Press **OK/SEND** () when you are finish editing.

To cycle through iTAP™, Tap and Numeric modes, press  to enter **Entry Method**, then scroll to the entry mode you would like to apply.

Character Chart

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

	. 1 ? ! , @ _ & ~ : ; " - () ' ` i % £ \$ ¥ ¤ €
	A B C 2
	D E F 3
	G H I 4
	J K L 5
	M N O 6
	P Q R S 7
	T U V 8
	W X Y Z 9
	+ - 0 x * / \ [] = > < # §



Note: The Tap sequence could be different in different language Tap input method.

Capitalization

Press	To
 (up/down)	change the words to initial character capitalized, all uppercase characters
or	
	add a space

Delete Letters and Words

Action
Press DELETE () to delete 1 letter at a time.
Press and hold DELETE () to delete the entire message.

Note: Sizes of characters may vary from 1 language to another.

Folding Back the Phone

Whenever you fold back your cell phone, all ongoing operations will be canceled and the screen displays the original entrance screen content.

Setting Up Your Phone

Setting the Time and Date

Find the Feature

 > Settings > Other Settings
> Initial Setup > Time and Date

Changing Personal Greetings

Find the Feature

 > Settings > Other Settings
> Personalize > Greeting

Choosing Alert and Ring Tones

Your phone rings and/or vibrates to notify you of an incoming call, message, or other event. This ring and/or vibration is called an *alert*. You can select 1 of 6 different alert profiles: **Loud Ring**, **Soft Ring**, **Vibrate**, **Vibrate & Ring**, **Vibrate then Ring**, and **Silent**.

Each alert profile contains settings for ringer and keypad volume. It also includes alert tone settings for different events (incoming calls, text messages, voicemail and messages). You can change the setting in each profile.

To choose an alert profile:

Find the Feature

 > Ring Styles > Ring Type
> *desired profile*



To assign alert profiles to specific events:

Find the Feature

- ☰ > **Ring Styles** > **Tone Details**
- > *desired event*
- > *alert for event*

Setting Backlight

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup** > **Backlight**
- > *desired time span*

Setting Contrast

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup** > **Contrast**
- > *desired amount*

Setting Display Scrolling

To set the cursor to stop or to wrap around when it reaches the top or end of a list:

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup** > **Scroll**
- > *desired scroll*

Setting Main Menu Animation

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup**
- > **Main menu animation**
- > *desired mode*

Setting Display Timeout

To conserve the phone's power:

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup**
- > **Display Timeout**
- > *desired mode*

Note: The screen saver does not come on if **Display Timeout** is set to **ON**.

Resetting All Options

To restore all options to factory default values, except unlock code, security code, and lifetime timer:

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup** > **Master Reset**

To reset all options, you need to enter the **Security Code** (000000).

Clearing All Information

To reset all options to their factory settings and clear all user entries (such as downloaded wallpapers, Main menu animation, and sounds):

Warning: This option erases all user-entered information, including phonebook entries and downloaded files. Once you erase the information, it cannot be recovered. It resets



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

Find the Feature

- ☰ > **Settings** > **Other Settings**
> **Initial Setup** > **Master Clear**

To clear all information, you need to enter the **Security Code** (000000).

Setting Up Your Phone for Optional Handsfree Use

Handsfree operation makes it possible for you to make and receive calls without using your hands.

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.

Find the Feature

- ☰ > **Settings** > **Other Settings**
> **Headset** > **Auto Answer**
> *desired mode*

Powering Off in Standby or Automatically Turn Off

Find the Feature

- ☰ > **Settings** > **Other Settings**
> **Initial Setup** > **Power On/Off**



Calling Features

Displaying Your Phone Number

You must enter your phone number before you can display it.

From the idle display:

Find the Feature

 > **Settings** > **Phone Status**
> **My numbers**

	Press	To
1	View ()	see the entry details
2	CHANGE () or DELETE ()	change NAME, No., or Speed No. exit the screen
3	Ok () or DELETE ()	confirm the change cancel the change
4	DELETE ()	confirm the change

Note: Your phone number must be programmed on your SIM card in order to use this feature.



Redialing a Number

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

Press	To
1 	go directly to the dialed calls list
2 	redial the highlighted number

or

Find the Feature

 > **Recent Calls** > **Received Calls, Dialed Calls, or NotePad**

Press	To
1 	scroll to the entry you want to call
2 	redial the highlighted number

Using My Caller ID



The calling line identification (Caller ID) feature lets you see who is calling before you answer. If the caller's name is stored in your **Phonebook**, the phone automatically displays the name. Otherwise, the phone displays the caller's phone number.

If Caller ID information is not available, your phone displays **Incoming Call Unknown**.



Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
 or IGNORE ()	cancel the incoming call



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

Dialing an Emergency Number

Your service provider programs 1 or more emergency phone numbers (such as 112 or 911) that you can call under any circumstances, **even when your phone is locked or the SIM card is not inserted.**

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.

To call the emergency number at any time:

Press	To
1 keypad keys	dial the emergency number (such as 112)
2 	call the emergency number



Dialing International Numbers

To dial the local international access code:

Action

Press  for 2 seconds to insert the international access code +, then enter in the country code for the country that you would like to connect to (for example, +44 for the U.K., +33 for France), then enter the rest of the phone number.

Inserting Special Characters into Dialing Sequences

You can insert special characters into a phone number.

While dialing (with digits visible in the display), press and hold  to display a **p**. Continue to press and hold  to display a **w**.

Option	Description
Insert Pause (insert a p)	Your phone waits until the call connects before it dials the next digit(s) in the series.
Insert Wait (insert a w)	Your phone waits until the call connects, then prompts you for confirmation before it dials the next digit(s).



Viewing Received, Dialed, or Missed Calls

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

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

Find the Feature

 > **Recent Calls**

Press	To
1 	scroll to Received Calls , or Dialed Calls
2 SELECT ()	select Received Calls or Dialed Calls
3 	scroll to an entry you want to call, store, or delete
4  or View () or Back ()	call the entry's number see the entry's details go back to the last menu list.



Returning a Missed Call

When powered on, your phone keeps a record of your missed calls. When you cannot answer a call, your phone displays the unanswered call.

	Press	To
1	VIEW 	see the Unanswered Call list, beginning with the most recent call
2		scroll through the list and select a call you want to view
3		make the call

Note: If you have an unanswered call, the phone will display **1 Unanswered Call**.

Entering Numbers in the Notepad

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

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

Find the Feature

 > **Recent Calls** > **Notepad**

Using Voicemail



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

Storing/Changing Your Voicemail Number

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

Find the Feature

> **Messages** > **Voicemail**

> **Voicemail Setup**

Press	To
1 keypad keys	enter the phone number for your voicemail
or	
CANCEL (exit the screen
2 OK (store the number
or	
DELETE (delete the number

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays **New Voicemail** and a voicemail indicator. (Some networks only indicate when you have messages, whether



they are new or not.) If you delete all voicemail messages, the voicemail indicator will disappear.

Listening to a Voicemail Message

To listen to your voicemail message at any time:

Find the Feature

 > **Messages** > **Voicemail**

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

Speed Dialing

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

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

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

Note: To edit phone numbers in the **Entry Details** of the speed dial, see “Editing a Phonebook Entry” on page 52.



1-Touch Dialing

You can call phonebook entries 1 through 9 with the push of a single key. The first 9 numbers from the SIM card are stored in the 1-touch dialing locations 1-9. Press and hold the 1-digit speed dial number for 1 second.

Find the Feature

- ☰ > **Settings > Other Settings**
- > **Initial Setup > 1-Touch Dial**
- > **SIM or Fixed Dial**

Note: To change 1-touch dialing numbers, go to **Phonebook** to change the **Speed number**.

Quick Dialing



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

call them by selecting them from the quick dial list.

Find the Feature

- ☰ > **Quick Dial**

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

To change your quick dial numbers:

Find the Feature

- ☰ > **Settings > Other Settings**
- > **Personalize > Quick Dial**



Using Call Waiting



If you subscribe to call waiting, an alert tone sounds while you are on a call to indicate that you have received a 2nd call. To put the 1st call on hold and answer the 2nd call.

Press	To
1 	answer the new call
2 Swap ()	return to the 1st call

Note: You can press **SWAP** () at any time to switch between calls.

To activate or deactivate call waiting:

Find the Feature

 > **Settings** > **In Call Setup**
> **Call Waiting**

Forwarding a Call



Call forwarding sends your phone's incoming calls directly to another phone number. Use call forwarding options to specify which calls your phone should forward. Turn off call forwarding when you are ready to accept calls on your phone again.

Find the Feature

 > **Settings** > **Call Forward**
> **Voice Calls**

Press	To
1 	select the desired mode
2 Select ()	choose the entry
or	
Exit ()	exit the entry
3 	select Status, On to Off
4 Select ()	confirm the choice
or	
Back ()	go back

The **Call Forward** option includes **Voice Calls** and **Cancel All**.

Note: You can repeat this procedure to enter forwarding information for other call types.

Conference Calls



To talk to more than 1 person on a call, you can make a conference call. Call the 1st person, then the 2nd person, and link the 2 calls.

Press	To
1 keypad keys	dial the 1st person's number
2 	call the number
3 Hold ()	put the 1st call on hold
4 keypad keys	dial the next person's number



	Press	To
5		call the number Your phone displays a new active call indicator over the call on hold.
6	LINK ()	connect the 2 calls
7		end the entire call

Barring a Call



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

Find the Feature

 > **Settings** > **Security**
> **Call Barring**

	Press	To
1		scroll to Outgoing or Incoming calls
2	SELECT ()	select barring for Outgoing or Incoming calls
3		scroll to a restriction for the barred calls
4	SELECT ()	select the restriction for the barred calls
5		scroll to On or Off



Press	To
6 SELECT ()	select On or Off
7 keypad keys	enter your call barring password (from your service provider)
8 OK ()	submit your password

Putting a Call on Hold

Action
Press Hold () (if available).
or
Press  > Hold .



Messages and Chat



Text messages are brief messages that you can send and receive (such as **Where are we meeting?**). Received messages appear on your phone display or in your text message inbox.

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

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

Setting Up the Text Message Inbox

Find the Feature

-  > **Messages**
-  > **Text Msg Setup**

Press	To
1 	scroll to Message Center
2 Select 	change the Service No. which is provided by your service provider
3 keypad keys	enter the phone number for the service center that handles your outgoing messages



Press	To
4 OK ()	store your service center number

Sending Messages, Pictures, and Sounds

You can send text messages and pictures or sounds to one or more recipients. You can manually enter each recipient's phone number, or select one or more numbers from the phonebook or recent calls lists. When the messages are sent, they will be saved to the outbox.

Note: Files may not be compatible with some brands of handsets.

Find the Feature

-  > **Messages**
-  > **Create Message**
- or
- > **Create**

Press	To
1 SELECT ()	start message editing
2 keypad keys	enter the message
or	



Press	To
No (), then OK () or CANCEL ()	store the message exit without saving the message

Viewing Message Status

Text messages that you send are stored in the **Outbox**. To view the content of your **Outbox**:

Find the Feature  > **Messages** > **Outbox**

Text messages are sorted from the newest to oldest.

Note: Your **Outbox** includes 3 options: **Draft**, **Unsent** and **Sent**.

Receiving and Reading Messages

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

When you receive a new message (including browser message), your phone displays **New Message** and gives you an alert. Press **READ** () to open the message.

You can press  to view the **Text Msg Menu**, which includes the following options:

Options	Description
Delete	Delete the message.



Options	Description
Call Back	Call the number in the message header or embedded in the message.
Reply	Open a new message. The phone will automatically use the sender's number as the destination number.
Forward	Open a copy of the text message, with an empty To field.
Lock	Lock the message so that cleanup does not delete it.
Store Number	Save callback number.
Create Message	Create a new message.

Using Browser Messages

Your network server can send you browser messages.

Find the Feature

 > **Messages** > **Browser Msgs**



Sending Quick Notes

To insert a Quick Note:

Find the Feature

 > **Messages** > **Quick Notes**

To edit a quick note:

Press	To
1 READ ()	select and create the desired note
2 SEND ()	send the note
or	
DELETE ()	delete the note
or	
keypad keys	edit the note
3 SEND ()	confirm the message and go to next step
4 [NEW ENTRY] > keypad keys	to enter phone number
or	
	select the number from Phonebook
5 OK ()	confirm the number
6 YES ()	send the note
7 SELECT ()	go to the next step



Using Info Services

Info Services allow you to receive broadcasting messages such as the latest stock information or news. Before you use the feature, make sure you have done **Info Srvc Setup**.

Note: This feature depends on your service provider.

Find the Feature

 > **Messages** > **Info Services**

Using Instant Messaging

Use instant messaging to exchange messages in real time with other wireless phone users. The messages you send display immediately on the other users' phones.

Logging into IM

Find the Feature

 > **IM** > **Log In**

	Press	To
1	keypad keys	enter your IM ID
2	OK ()	submit your IM ID
3	keypad keys	enter your Password (case-sensitive)
4	OK ()	submit your Password
		Tip: To log in automatically next time, scroll to Offline Settings > Auto Login after you submit your password.
5	 up or down	scroll to your Contact List
6	Select ()	view the Contact list



Your **Contact List** is sorted by online status:

- **Conversations** display 1st. These are online IM users having active conversations with you. Press **VIEW** () to open your conversation with them.
- **Online Contacts** are logged in to IM. Press **SEND IM** () to send the person a message. A busy indicator shows that someone is busy and unable to respond.
- **Offline Contacts** are logged out of IM. An alert indicator shows that you have set an alert for the person. You can press **SEND IM** () to send a message, in case the person has logged in since you refreshed your list.

Note: To refresh your **Contact List**, press **Refresh List** while viewing the list.

Sending and Receiving Instant Messages

When you log into IM, you can exchange messages with other IM users.

Press	To
1  up or down	scroll to a name on the Contact List
2 SEND IM () or VIEW ()	start a conversation with the person reopen a conversation in progress
3 keypad keys	enter messages text
4 SEND	send the text message text



Your phone displays the conversation history, where you can see the text you sent and the person's replies as they arrive. In the conversation display, you can:

Press	To
1 Back	return to the Contact List , where you can open more conversations
2 	return to the home screen, without logging out of IM or closing the conversation Note: Your phone displays New IM if you receive a message while on the home screen or in another application
3  > Contact Info	view the screen name and online status of the person in this conversation
4  > Add Contact	add the screen name to your Contact List
5  > End Conversation	end the conversation

Note: If you log out of IM, you can still view the conversation text by pressing  > **IM** > **Offline Convs.** from the home screen. Turning off your phone erases the conversation.



Setting Your Online Status

When you log in to IM, your online status is visible to other IM users. To set your online status:

Press	To
1  up or down	scroll to My Status
2 SELECT ()	select the option
3  up or down	scroll to Available, Busy, or Invisible
4 SELECT	select the status setting

Setting Up IM

Adding and Removing Contacts

To add a name, open your **Contact List** or a conversation and press  > **Add Contact**. If you are not in a conversation, enter the new screen name and press **OK** (). IM returns an error if it cannot verify the name on the server.

To remove a name from your **Contact List**, highlight the name and press  > **Delete Contact**.

Setting an Alert for Offline Contacts

To receive notification when someone logs into IM, highlight the name in your **Contact List** and press  > **Set Online Alert**.

Setting Your Busy Message

If you are logged in to IM but not responding to new messages, you can set the busy indicator to display next to



your name in everyone else's **Contact List**. From the **IM Online** menu, select **My Status > Busy**.

To create or edit a busy message that is automatically sent to IM users attempting to contact you, select **Busy Message** from the **IM Online** menu.

The **IM Online** menu displays when you log in, and when you press **BACK** from your **Contact List**.

Setting Your IM Alert

IM can sound an alert when new messages arrive or when a person for whom you have set an alert logs in to IM.

To turn the IM alert on or off, select **Settings > Set Sounds** from the **IM Online** menu.

Logged Out of IM

Select **Log Out** from the **IM Online** menu.

Using Chat

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

Start a Chat Session

Find the Feature

 > **Chat > Start Chat**

	Press	To
1	keypad keys	enter your Nickname
2	OK 	save your Nickname
3	keypad keys	edit your first chat message



Press	To
4 OK ()	save the message
5 	scroll to Phone Number Entry or PB lookup
6 keypad keys	enter your chat partner's phone number
or	
	scroll to PB lookup and select a number from the phonebook
7 OK ()	send the chat message When your chat partner replies, the reply appears over your text.
8 CHAT ()	enter a reply to your partner
9 OK ()	send your reply
10 SUSPEND ()	suspend this chat and Resume Chat or End Chat later when Chat is selected again

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

Review Chat History

You can see chat history from:

Find the Feature

 > **Chat** > **History**



Respond to Chat

When you receive a chat message, your phone displays Chat indicating the name of the person wanting to chat, and gives an alert.

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

If reminders are turned on, your phone sends a reminder at regular intervals until you respond to the chat notification or turn off your phone. If you receive another chat request during a chat session, the new request appears as an incoming text message, with the requester's chat name at the beginning of the message.

End a Chat Session

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

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



Phonebook

You can store a list of names and phone numbers in your phone's SIM card. You can view these entries and call them directly from your phone.

To see the list of names stored in your phonebook, press  > **Phonebook** from the idle display. Scroll to a name and press **View** () to view details of the phonebook entry.

Storing a Phonebook Entry

A phone number is required for a phonebook entry. All other information is optional. You can store a phonebook entry on your SIM card only.

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

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



Entering Information

Find the Feature

 > Phonebook > New Entry



Press	To
1 SELECT ()	go to Entry Details screen
2 CHANGE ()	select Name
3 keypad keys	enter a name for the phonebook entry
4 OK ()	store the name
5 CHANGE ()	enter the phone number
6 OK ()	store the phone number
7 	scroll to Speed No. , the number to speed dial the entry The next available speed dial number is assigned to a new phonebook number by default.
8 CHANGE ()	select Speed No. if you want to change it
9 keypad keys	enter a different speed number if desired



Press	To
10 OK ()	save the modified speed number If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.

Completing the Entry

When you finish entering information for a phonebook entry:

Press	To
DONE ()	store the entry and return to the phonebook list

Note: Users can only store the phone numbers to the SIM card but not into the phone memory.

Dialing a Phonebook Entry

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

Find the Feature

 > Phonebook

Press	To
1 	scroll to the entry you want
2 	call the entry

Editing a Phonebook Entry

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

Find the Feature

 > Phonebook

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

Deleting a Phonebook Entry

Find the Feature

 > Phonebook

	Press	To
1		scroll to the entry you want to delete
2		open the phonebook menu
3		scroll to Delete
4	SELECT ()	select Delete
5	YES ()	confirm the deletion

Copying Phonebook Entries

You can copy a phonebook entry from a SIM card location to another SIM card location.

Note: This function copies the original entry to a new location. It does not delete the original entry.

Find the Feature

 > **Phonebook**

Press	To
1 	scroll to the entry you want to copy
2 	open the phonebook menu
3 	scroll to Copy Entry
4 SELECT ()	select Copy Entry
5 YES ()	confirm that you want to copy an entry
or	
NO ()	cancel the option

Checking Capacity

To check how much space is left in your phonebook, your phone displays the number of entries that are used and the number available. To see how much memory is left in your SIM card.

Press	To
1 	open the phonebook menu
2 	scroll to Capacity





Press	To
3 SELECT ()	select Capacity
	Your phone displays the number of SIM card phonebook entries available.

Personalizing Your Phone

You can adjust your phone menus and features.

Customizing Menus

You can customize the order of the items in your phone's main menu, depending upon your usage.

Find the Feature

 > **Settings** > **Other Settings**
> **Personalize** > **Main Menu**

	Press	To
1		scroll to the menu item you want to move
2	GRAB ()	select the menu item you want to move
3		move the item up or down the menu
4	Insert ()	insert the item in the new location
	or	
	CANCEL	exit the screen



Redefining Soft Keys

Find the Feature

 > Settings > Other Settings
> Personalize > Keys

Press	To
1 	scroll to Left or Right
2 SELECT ()	open the key editor
3 	scroll to the new key function
4 SELECT ()	confirm the new function

Selecting a Favorite Wallpaper

Find the Feature

 > Settings > Other Settings
> Personalize > Wallpaper

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

Selecting a Customized Screen Saver

Find the Feature

 > Settings > Other Settings
> Personalize > Screen Saver

Press	To
	<p>select the Animation that appears when your phone is idle</p> <p>or</p> <p>select Idle Time to set how long your phone must be idle before the screen saver appears</p> <p>Note: If this setting is longer than your Display Timeout setting, then your display will turn off before you see the screen saver.</p>



Selecting Languages

Find the Feature

 > Settings > Other Settings
> Initial Setup > Language

Selecting a Greeting

Find the Feature

 > Settings > Other Settings
> Personalize > Greeting

Selecting a Color Setting

Find the Feature

 > Settings > Other Settings
> Personalize > Color Setting

Customizing a Banner

You can customize your banner so that it will display under the name of your service provider on the phone's screen.

Find the Feature

 > Settings > Other Settings
> Personalize > Banner

Press	To
1 keypad keys	enter the wording you would like to display for your banner
2 OK ()	confirm your entry
or	
DELETE ()	cancel the entry

Using MyMenu

MyMenu enables you to quickly access your favorite menu features.

Using MyMenu Shortcut

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

Note: Not all features can set **MyMenu Shortcut**.

Press

To

5 **CHANGE** ()

change the **MyMenu** key number, if necessary

or

DONE ()

select the **MyMenu** key number and close the editor

Downloading Ring Tones

You can download ring tones from the browser (see page 75).

Getting More Out of Your Phone

Dialing Options

Fixed Dialing

When you activate the Fixed Dial feature, your phone can place calls only to the numbers in the Fixed Dial list.

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

Activating Fixed Dial

Fixed Dial list entries can be any length. You must enter your SIM PIN2 code, which you receive from your network service provider.

Find the Feature

☰ > Settings > Security
> Fixed Dial



Service Dialing

You can dial preprogrammed numbers stored on your SIM card. Your service provider can program your SIM card with phone numbers for services such as taxi companies, restaurants, and hospitals.

Find the Feature

 > **More** > **Service Dial**

Calling a Number in a Text Message

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

Find the Feature

 > **Messages** > **Inbox**

	Press	To
1		scroll to the message with the desired number
2	READ ()	open the message
3		open the menu options of the desired number
4		scroll to Call Back



Press	To
5 CALL ()	call the number
or	
Back ()	return to the previous menu

If the message contains more than 1 phone number, scroll to the desired number and press **CALL** to dial.

Using DTMF Tones

You can send numbers to the network as *Dual Tone Multi-Frequency* (DTMF) tones during a call. Use DTMF tones to communicate with automated systems that require you to submit a PIN code or credit card number.

To set the tones to Long or Short:

Find the Feature

 > **Settings** > **Other Settings**
> **Initial Setup** > **DTMF**



Monitoring Phone Use

Viewing and Resetting Call Timers

Your phone tracks and records call times. Use the **Recent Calls** menu to view and reset a call timer.

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

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

To view a call timer:

Find the Feature

 > Recent Calls > Call Times

Press	To
1 	scroll to the timer you want to view
2 SELECT ()	view the recorded time

To reset a call timer:

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

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

Timer	Description
Last Call	Time of the last call dialed or received. You cannot reset this timer.
Dialed Calls	Total time of dialed calls since the last time you reset this timer.

Timer	Description
Received Calls	Total time spent on calls received since the last time you reset this timer.
All Calls	Total time of dialed and received calls since the last time you reset this timer.
Life Time	Total time of all calls on this phone. You cannot reset this timer.

Viewing and Resetting Call Costs

Find the Feature

 > **Recent Calls** > **Call Cost**

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

To reset the call tracker:

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



Your phone network can provide the following call cost information:

Cost Tracker	Description
Credit Available	Amount of your credit remaining. For GSM advice-of-charge, this is only available if you set a credit limit. Note: your phone receives cost information from the advice-of-charge feature or third-party prepay software.
Last Call Cost	Amount for the last call you dialed or received. You cannot reset this cost tracker.
All Calls Cost	Amount for all dialed and received calls since the last time you reset this cost tracker. You can reset this value separately from Dialed Calls and Received Calls , so Dialed Calls plus Received Calls may not equal All Calls .
Reset All Cost	Reset all call cost records.

Network Selection

Find the Feature

 > Settings > Other Settings
> Network

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



**Getting More Out of Your
Phone**

Personal Organizer Features

Alarm Clock

You can create a **New Alarm** or activate a predefined alarm profile. To create a new alarm profile:

Find the Feature

 > **Alarm Clock** > [New Alarm]

Action

- 1 Create/edit alarm details:

Name :

Time :

Alert:

Volume:

-
- 2 Scroll to the item you want to edit

-
- 3 Press **CHANGE** () , then change details for the selected item.

-
- 4 Press **OK** () to confirm the item and repeat above method for other items.

-
- 5 Press **DONE** () save this alarm entry.
-
-



Note: The alarm clock in your phone must be set while your phone is on. You can then power your phone off to conserve your phone's battery. Although your phone is powered off, the alarm clock will play an audible alert at the time you have set.

To enable/disable a predefined alarm profile:

Press	To
1 	go to the desired predefined alarm profile
2 ENABLE/ DISABLE ()	activate or cancel the alarm clock

Note: To edit the predefined alarm profile, refer to the steps above.

Calculator

Find the Feature

 > More > Calculator

Press	To
1 number keys	enter a number in the calculator
2 	highlight a calculator function
3 SELECT ()	perform the highlighted function
4 keypad keys	enter another number to calculate with the first one
5 	scroll to = to see the result



Converting Currency

Find the Feature

 > More > Calculator

 > Exchange Rate

Press	To
1 number keys	enter the exchange rate
2 OK ()	store the exchange rate
3 number keys	enter the number you want to convert
4 	scroll to \$ to see the result.
5 SELECT ()	convert the currency.

Using the Stop Watch

Find the Feature

 > More > Stop Watch

Press	To
1 START ()	start counting the time
2 STOP ()	stop counting the time
3 RESET ()	reset the Stop Watch

Note: After **Stop Watch** is activated, you can press **SNAPSHOT** () to keep track of the time elapsed for later reference. After stopping the **Stop Watch**, you can press  right and left to navigate through the **SNAPSHOT** time 1, 2, 3..., etc.



Security

Locking and Unlocking Your Phone

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

When you try to use a locked phone, it prompts you to enter the unlock code. (The default unlock code is 1234.) A locked phone still rings or vibrates for incoming calls or messages, but you must unlock it to answer.

You can make emergency call on your phone even when it is locked.

Lock Your Phone Manually

Find the Feature

 > Settings > Security
> Phone Lock > Lock Now

Press	To
1 keypad keys	enter your 4-digit unlock code
2 OK ()	lock the phone

Set Your Phone to Lock Automatically

Find the Feature

 > Settings > Security
> Phone Lock
> Automatic Lock > On



Press	To
1 keypad keys	enter your 4-digit unlock code
2 OK ()	set the phone to lock automatically

Unlock Your Phone

Press	To
1 keypad keys	enter your 4-digit unlock code The unlock code is originally set to 1234.
2 OK ()	unlock your phone

Changing Your Unlock Code

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 numbers before you receive your phone.

If your service provider has not reset these numbers, we recommend that you change them to prevent other users from accessing your personal information or modifying your phone settings. The unlock code must contain 4 digits, and the security code must contain 6 digits. Be sure to make a note of the new numbers.

Find the Feature

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



Press	To
1 	scroll to the code or password you want to change
2 SELECT ()	select the code or password
3 keypad keys	enter your old code
4 OK ()	submit your old code
5 keypad keys	enter the new code
6 OK ()	assign the new code
7 keypad keys	re-enter the new code
8 OK ()	confirm the new code

If You Forget a Code or Password

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

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, do the following:

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



Protecting the SIM Card

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

Find the Feature

 > **Settings** > **Security**
> **SIM PIN**

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



News and Entertainment



Mobile Internet

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

Setting Up Your Phone for Mobile Internet Access

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

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

Find the Feature

 > **Browser** > **Browser Setting**
> **Set Profile**

	Press	To
1	SELECT () or BACK ()	set the profile
2		navigate to the preferred profile
3	SELECT ()	confirm the item



Press	To
or	
Back ()	return to the previous menu
4 	scroll to Set As Active or Edit
5 SELECT	confirm the item
or	
BACK	return to the last screen

Setting Up URL

Before you start using the browser, you 1st need to enter the URL.

Find the Feature  > **Browser** > **Web Shortcut**

Press	To
1  (up or down)	navigate to the preferred item
2 GO TO ()	confirm the item
3 	choose to enter a new URL, edit or delete the chosen item
4 SELECT ()	select the item you wish to change (Title or URL)
or	
BACK ()	cancel the option
5 SELECT ()	select the item you wish to change
or	
Done ()	finish the setting

Accessing the Internet

Instead of using **Web Shortcut**, you can enter the URL yourself:

Find the Feature

 > **Browser** > **Go to URL**

Press	To
1 keypad keys	enter the URL
2 OK ()	confirm the entry and begin accessing the browser
or	
Delete ()	delete the entry
	Note: Press # to change entry method.

In addition to the above methods, you can start browsing by:

Find the Feature

 > **Browser** > **Start Browser**

Downloading Pictures, Animation and Ring Tones

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

Action

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





Action

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

Note: Normal airtime and/or carrier usage charges apply.

-
- 3 Open the message and store the file.
-

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

Games

Your phone comes with 3 games. If you receive an incoming call, message, alarm, or alert while playing a game, the game pauses.

When the game is over, you can purchase more advanced game levels.

Find the Feature

 > **Games** > *game*

Press

SELECT 

To

start the game

When the game is over, you can play again or return to the **Games** menu, depending on the game.

Press	To
	pause the game session
or	
	end the game session and return to the game menu



Using My Tones

You can create custom alert tones for your phone. The tones you create appear in the list of available alerts.

Creating a Tone

Find the Feature

 > **Ring Style** > **My Tones**

Press	To
1  up or down	scroll to [New Tone]
2 EDIT ()	go to Tone Details
3 CHANGE ()	select Notes:
4 keypad keys	enter notes for the tone
5 OK ()	store the notes
6 CHANGE ()	select Name:
7 keypad keys	enter the name for the tone
8 OK ()	store the name
9 DONE ()	store the tone

Entering Notes

To create a new tone, use the keypad keys to enter each note. Press a key multiple times to cycle through its available notes or options (pitch, octave, or length). The default setting for a new tone is a quarter note in octave 2.



Key	Display	Description
	1	set octave 1
	2	set octave 2
	3	set octave 3
	A	note A
	B	note B
	C	note C
	2	set octave 2
	D	note D
	E	note E
	F	note F
	3	set octave 3
	G	note G
	R	rest
	#	sharp
	B	flat
	Q	quarter note or quarter rest
	H	half note or half rest
	W	whole note or whole rest

Key	Display	Description
		move cursor left
		move cursor right

Enter a note as follows:

Task	Action
Change the octave	Set the new octave (1 , 2 or 3) before selecting the note. The new octave applies to the note and all following notes until you change it again.
Select the note (required)	Press a keypad key to enter a note.
Change a note to a sharp or flat	Enter a sharp or flat (# or b) after selecting the note. Some sharps and flats are played as standard notes. For example, B# is the same as C . Press  up or down to scroll to valid notes when entering a new note.





Task	Action
Change a note's length	Set the new length (h , w , or q) after selecting the note. The new length applies to the note and all following notes until you change it again.
Add a rest	Enter 1 or more rests (R characters) as needed in the tone sequence. You can set the length of the rest by entering h , w , or q after the rest, just as you can for a note.

Example

Press these keys to play this sequence of notes and rests in octave 3: **C** (quarter note), **E flat** (quarter note), **half rest**, and **G** (whole note):

Press	To	Display
	set octave 3	3
	enter a quarter note C	C
	enter a quarter note E flat	E_b

Press	To	Display
   	enter a half rest	Rh
   	enter a whole note G	Gw



Playing a Note

Find the Feature  > **Ring Style** > **My Tones**

Press	To
1  up or down	scroll to the tone you want to play
2 	open My Tones Menu
3  up or down	scroll to Play
4 SELECT ()	select Play The phone displays the playback meter and plays the tone.
5 Play () or CANCEL ()	play the tone again return to the my tones list

Editing a Tone

You cannot edit the standard alert tones included with your phone. To edit a custom tone that you created:

Find the Feature  > **Ring Style** > **My Tones**



Press	To
6 up or down	scroll to the tone you want to edit
7 EDIT ()	open the tone details
8 up or down	scroll to the details you want to edit (Name or Notes)
9 CHANGE ()	select the details you want to edit
10 keypad keys	enter new text or notes
11 OK ()	store the details

Deleting a Tone

You cannot delete the standard alert tones included with your phone. To delete a custom tone that you created:

Find the Feature > **Ring Style** > **My Tones**

Press	To
1 up or down	scroll to the tone you want to delete
2	open My Tones Menu
3 up or down	scroll to Delete
4 SELECT ()	select Delete
5 YES ()	confirm the deletion

Troubleshooting

Check Here First

If your phone does not seem to work properly, look here first. If you still need help, see “Service and Repairs” on page 88.

Phone Automatic Power On/Off

Question: My phone powers off automatically while in standby mode. What should I do when this happens?

Answer: This phone has an automatic power on/off feature that automatically turns on/off the phone’s power at specific times. To access this feature:

Find the Feature

- ☰ > Settings > Other Settings
- > Initial Setup
- > Power On/Off

Changing the Time on the Phone’s Clock

Question: My phone’s clock is incorrect during normal use. How can I change it?

Answer: The phone’s system clock is reset whenever you remove the battery. This will cause the clock to display the incorrect time the next time you turn on the phone’s power.



Whenever you replace the battery and turn on the phone's power, be sure to enter the correct time and date:

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup**
- > **Time and Date**

Storing Phone Numbers in Phone Memory

Question: Why can't I store phone numbers in phone memory?

Answer: Storing phone numbers in phone memory is not a feature of this phone. You can store phone numbers only on your SIM card.

Using the End/Send Key on the Headset

Question: When I use the headset with my phone, nothing happens when I press the **Send/End** key on the headset. Why?

Answer: The phone does not support the **Send/End** key function on the headset.

No Backlight on the Display

Question: During phone operation, why don't I see a backlight on the display?

Answer: The **Backlight** may be set to **Off**. To view and/or change the backlight setting:

Find the Feature

- ☰ > **Settings** > **Other Settings**
- > **Initial Setup**
- > **Backlight**

No Incoming Call Ring Tone

Question: Why don't I hear a ring tone for incoming calls or messages?

Answer: The volume may be set to level 0 (silent). Check volume setting by pressing  to scroll left or right.

Screen Saver Does Not Appear

Question: Why doesn't the screen saver appear after it has been set?

Answer: If **Battery Save** is set to **On**, the screen saver does not appear and the backlight turns off by default after 5 seconds, regardless of the settings. To check the **Battery Save** setting:

Find the Feature

 > **Settings** > **Other Settings**
> **Initial Setup** > **Battery Save**

No Service

Question: When I turn on my phone for the first time, or when I turn it on while traveling to another country, my phone displays **No Service**. Why?

Answer: Each operator has its own operation frequency band. Make sure your phone's band selection setting matches the operator's frequency band:

Find the Feature

 > **Settings** > **Other Settings**
> **Network** > **Band Selection**



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

The 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 1.2 W/kg, and when worn on the body, as described in this user guide, is 0.56 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.

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MOTOROLA

Important Safety and Legal Information

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

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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.

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.

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

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.
	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.
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.

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](http://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

California Perchlorate Label

Some mobile phones use an internal, permanent backup battery on the printed circuit board that may contain very small amounts of perchlorate. In such cases, California law requires the following label:

"Perchlorate Material – special handling may apply. See

www.dtsc.ca.gov/hazardouswaste/perchlorate."

There is no special handling required by consumers.

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.
- **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.

