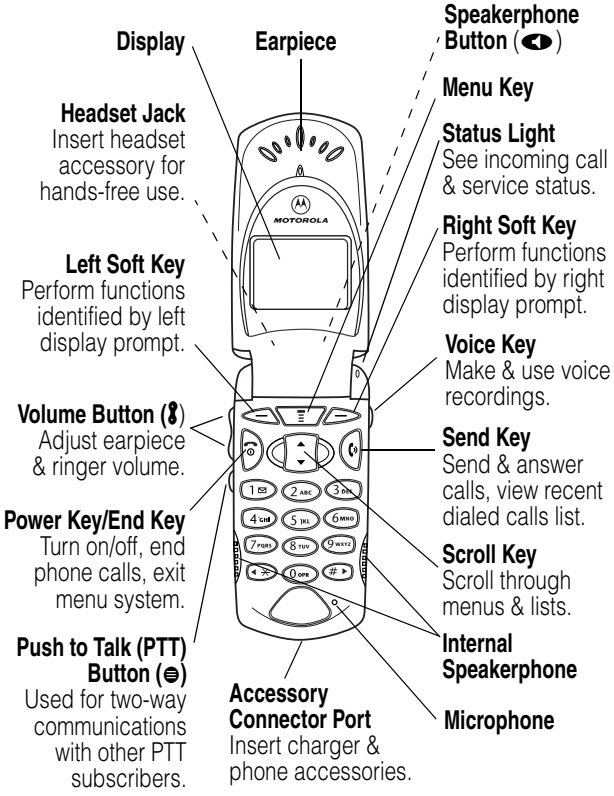
INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Dummy Page - To be discarded before printing

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola T300p wireless phone with Push to Talk capability.



Personal Communications Sector
600 North U.S. Highway 45
Libertyville, Illinois 60048
1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States)
1-800-461-4575 (Canada)
www.motorola.com (United States)
www.motorola.ca (Canada)

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Menu Map

Main Menu

- **Phonebook**
- **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
- **Messages**
  - Voicemail
  - Create Message
  - Inbox
  - Outbox
  - Quick Notes
  - Drafts
  - Browser Alerts
- **Radio ***
- **Get It Now**
  - Get It Now Shop
- **Browser**
- **Settings**
  - (see next page)
- **Ring Styles**
  - Style
  - StyleDetail
  - My Tones
- **Picture Viewer**
- **Shortcuts**
- **Calculator**
- **Datebook**
- **Voice Record**

* This is the standard phone menu layout. Menu organization and feature names may vary on your phone. Not all features may be available for all users.

For example, the **Radio** feature (left) is available only when the optional FM Stereo Radio Headset accessory is plugged into your phone.

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Settings Menu

- **Ring Styles**
  - Style
  - Style Detail
  - My Tones
- **Phone Status**
  - My Tel. Number
  - Active Line
  - Battery Meter
  - Other Information
- **Browser Setup**
- **Connection**
  - Incoming Call
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
- **Security**
  - Phone Lock
  - Lock Application
  - Restrict Calls
  - New Passwords
- **Location**
- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Greeting
    - Screen Saver
    - Banner
  - Initial Setup
    - Time and Date
    - SpeakerPhone
    - Auto PIN Dial
    - Auto Redial
    - Backlight
    - Status Light
    - Zoom
    - TTY Setup
    - Scroll
    - Animation
    - Language
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
    - Current Network
    - Analog Only
    - Set Mode
    - Srvc Status
    - Service Tone
    - Call Drop Tone
  - Car Settings
    - Auto Answer
    - Auto Hands-Free
    - Power-Off Delay
    - Charger Time
  - Headset
    - Auto Answer

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Shortcuts
Change display text zoom: Press , then press and hold (does not zoom graphics).
Display my phone number: Press #.
Dial voicemail number: Press and hold 1.
Go to dialed calls list: Press .
Exit menu system: Press .
Go to PTT Contacts List: Press .

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Contents

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Safety and General Information

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

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

Exposure To Radio Frequency (RF) Energy

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

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

Operational Precautions

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

External Antenna Care

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

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

DRAFT

Phone Operation

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

Body-Worn Operation

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

Data Operation

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

Approved Accessories

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

RF Energy Interference/Compatibility

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

Facilities

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

DRAFT

Aircraft

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

Medical Devices

Pacemakers

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

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

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

When using your phone while driving, please:

DRAFT

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

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: `www.Motorola.com/callsmart`.

Operational Warnings

For Vehicles With an Air Bag

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

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas and certified as “Intrinsically Safe.” Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

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

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off electronic devices.” Obey all signs and instructions.

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Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

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

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

Seizures/Blackouts

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

DRAFT

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

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

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

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

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

Repetitive Motion Injuries

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

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

DRAFT

Getting Started

What's in the Box?

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

To purchase Motorola Original™ accessories, contact the Motorola Customer Call Center at

1-800-331-6456 in the United STates or 1-800-461-4575 in Canada.

About This Guide

This user's guide introduces you to your Motorola wireless phone and show you how to use its many features.

> **Note: A reference guide for your phone is also available that describes your phone's features in more detail**.

To obtain the reference guide for your phone, or another copy of this user's guide, see the Motorola Web site at:

http:///motorola.com/consumer/manuals

or contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

Optional Features

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

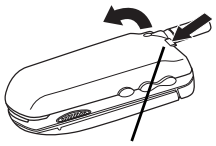
Optional Accessories

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

Installing the Battery

You must install and charge the battery to use your phone.

Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

Action	
1	Remove the battery from its protective clear plastic case.
2	If necessary, push down the battery door release latch and lift the door off of the phone. 

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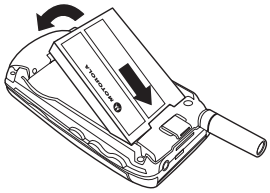
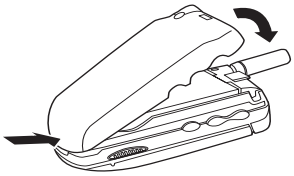
Action	
3 Insert the battery, printed arrow first, **under the tab** at the top of the battery compartment and push down.	
4 Insert the ridge at the bottom of the battery door into the base of the phone, then push the door down and snap it into place.	

Charging the Battery

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

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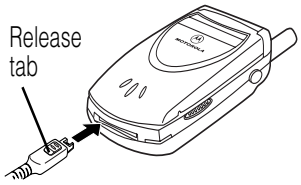
Action	
1	Plug the travel charger into your phone with the release tab facing up. 
2	Plug the other end of the travel charger into the appropriate electrical outlet.
3	When your phone indicates that the battery is fully charged (**Charge Complete**), press the release tab and remove the travel charger.

Note: When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete.

Battery Use

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

Battery Use

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

DRAFT

To maximize your battery's performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10° C (14° F) or above 45° C (113° F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.

The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

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

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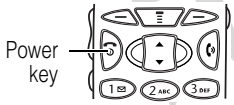
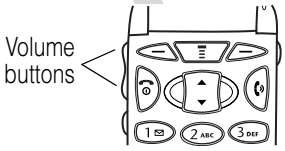
Turning Your Phone On

Action	To
1 Open your phone	expose the keypad
2 Press and hold ⏻ for three seconds 	turn on your phone
3 If necessary, enter your 4-digit unlock code and press **OK** (▼)	unlock your phone The unlock code is originally set to 1234 (see page 592). Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the up or down volume buttons to:



- increase or decrease earpiece volume during a call
- increase or decrease the ringer volume setting when the idle display is visible (flip must be open)

DRAFT

Tip: At the lowest volume setting, press the down volume button to switch to silent alert. Press the up volume button to reset ring alert.

- turn off an incoming call alert

Making a Call

Press	To
1 the keypad keys	dial the phone number **Tip:** If you make a mistake, press **DELETE** (⊽) to delete the last digit, or press and hold **DELETE** (⊽) to delete all digits.
2 ABC ✆	make the call

Answering a Call

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

Press
✆ or **ANSWER** (⊽) or open the flip.
✆ when the call is done.

Note: If your phone is locked, you must unlock it to answer the call.

DRAFT

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *idle display* is the standard display you see when you are *not* on a call or using the menu. You must be in the idle display to dial a phone number.

need idle display

A ≡ (menu) indicator at the bottom center of the display indicates that you can press to display the main menu to see more features.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key ( ) or the right soft

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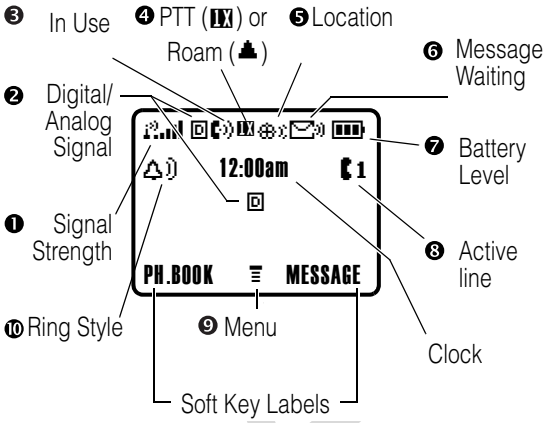
key (⊙) to perform the function indicated by the left or right soft key label.

The following status indicators can appear:



1 **Signal Strength Indicator** Vertical bars show the strength of the network connection. You cannot make or receive calls only when the (no signal) indicator displays.

2 Digital or Analog Signal Indicator Shows whether you are receiving a digital or analog signal.

3In Use Indicator Shows that a phone call is in progress.

4 Push to Talk Indicator Shows that your phone is connected to the 1X network and if the network is available or unavailable 1X.

or

Roam Indicator Shows that your phone is seeking or using another network system outside your home network.

Note: When the roam indicator displays, you can still make and receive Push to Talk calls when you are in the 1X coverage area and connected to the Push to Talk network.

5 Location Information Indicator Indicates when your Location Information is available or unavailable .

6 Message Waiting Indicator Appears when you receive a voicemail or text message.

7Battery Level Indicator Vertical bars show the battery charge level. Recharge the battery when you see **Low Battery** and hear the low battery alert.

8 Active Line Indicator Shows the current active phone line.

9Menu Indicator Indicates that you can press to enter the main menu or open a feature sub-menu.

10 Ring Style Indicator Shows the ring style setting.

= loud ring	= soft ring
= vibrate	= vibrate and ring
= silent	

DRAFT

Using the 5-Way Navigation Key

Use the 5-way navigation key like a joystick to navigate the menu system, change feature settings, and play games

Tip: Down and up are the primary movements within menus. Move left and right to change feature settings, navigate the datebook, and edit text.

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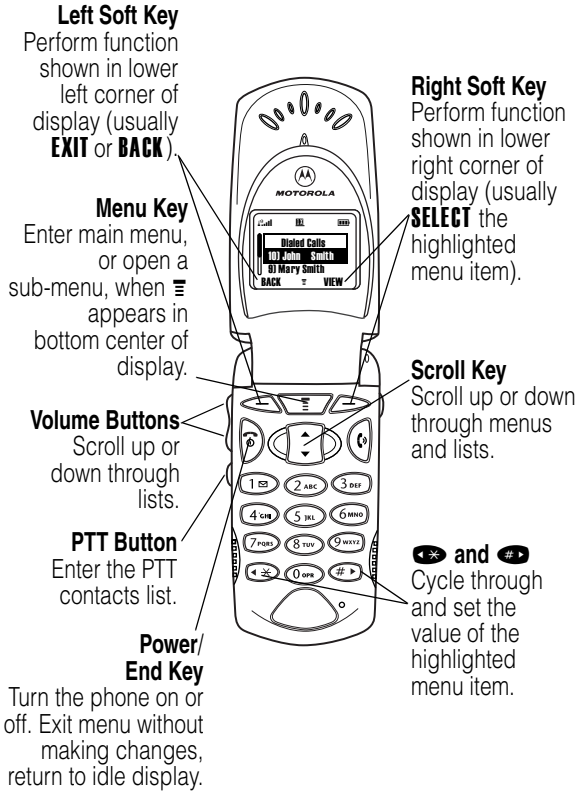
Using Menus

From the idle display, press to display the main menu.



Selecting a Menu Feature

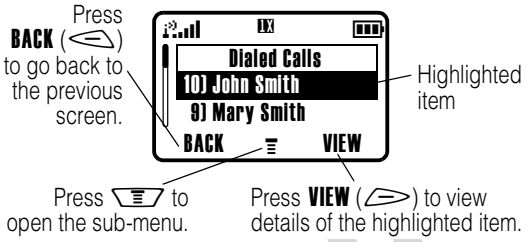
From the idle display, select a menu feature as follows:

Find the Feature > **Messages** > **Create Message**

This example shows that from the idle display, you must press , then scroll to and select **Messages**, then scroll to and select **Create Message** to create a new message. Use to scroll, and the left/right softkeys to perform the functions in the bottom left and right corners of the display.

Selecting a Feature Option

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

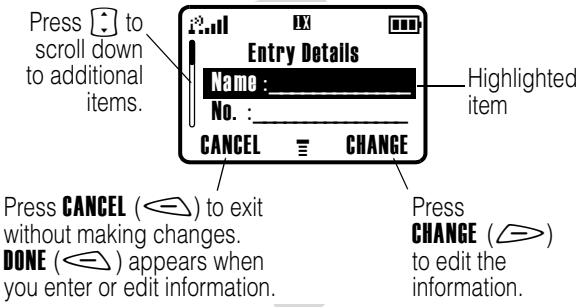


- Press to scroll up or down to highlight the item you want.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.

- When an item has a list of possible values, press ◎ to the left or right to scroll and select a value.
  - When an item has a list of possible numeric values, press a number key to set the value.
  - If you enter or edit information and do not want to save your changes, press ⌂ to exit without saving and return to the idle display.

Entering Text

Some features require you to enter information:



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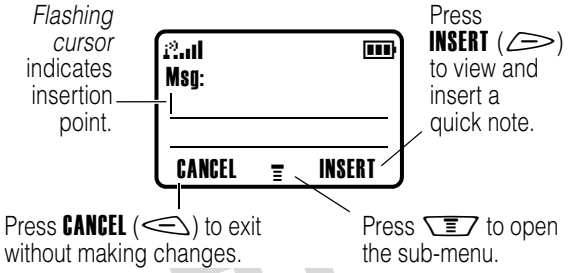
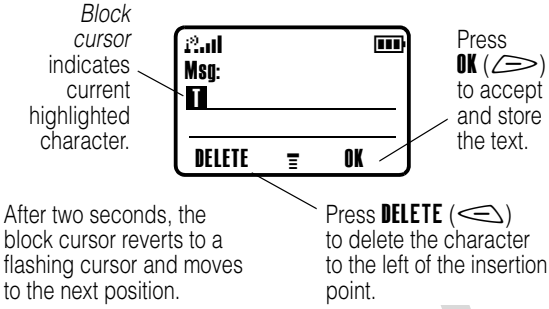
The message center lets you compose and send text messages. A *flashing cursor* shows where text will appear:



When you enter text using the standard tap method (see 30), the flashing cursor changes to a *block cursor*, and the soft key functions change.



Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages.

Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages.

Press > **Entry Method** from any text entry screen to select a text entry method.

iTAP	Let the phone predict each word as you press keys (see page 70).
Tap Method	Enter characters one at a time by pressing the key for the letter, number, or symbol, one or more times (see page 66). This is the standard method for entering text.
Numeric	Enter numbers only.
Symbol	Enter symbols only (see page 69).

Note: The text method you select remains active until you select another method.

Using the Tap Method

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

Press from any text entry screen and select **Tap Method**.

DRAFT

Press		To
1	A number key one or more times	select a letter, number, or symbol shown in the "Character Chart" on page 31.
2	Continue pressing number keys	enter the remaining characters.
3	**OK** (⊙)	accept the text when you are finished.

Tap Method Text Entry Rules

Press a number key repeatedly to cycle through its characters. See "Character Chart" on page 31.

- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- The first character of every sentence is capitalized. (Press ⊙ down to force the character to lowercase while it is highlighted by the block cursor).
- Press ⊙ left or right to move the flashing cursor left or right while in the text message
- If you enter or edit information and do not want to save your changes, press ⊘ to exit without saving and return to the idle display

Character Chart

Use this chart as a guide for entering characters with the tap method.

DRAFT

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

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

Using iTAP™ Method

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

Press ⊙ from any text entry screen and select **iTAP**.

Note: You can switch languages within a message in iTAP text method. Press ⊙ to select the text method and language you want to use.

DRAFT

Enter Words

Press	To
1 A number key one time	enter the first letter of the word The letters associated with the key are shown at the bottom of the display.
2 Number keys (one per letter)	enter the rest of the word Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.
3 (*) or (#)	highlight the word you want
4 **SELECT** (•)	enter the word at the flashing cursor location A space is automatically inserted after the word.

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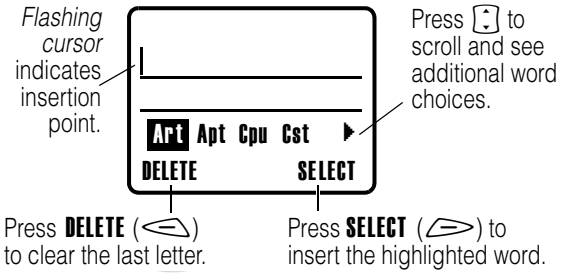
For example, to spell the word “art,” press 2 7 8. The display shows:



Enter Novel Words

If iTAP does not display the word you want:

Press	To
1 DELETE ( ) one or more times	delete letters until you see a letter combination that matches the word
2 * or #	highlight the letter or letter combination
3 SELECT ( ), then press *	shift the text entry cursor to the left and “lock” the selected letters
4 Number keys and	enter letters and hightlight letter combinations to spell the word

REF

Entering Punctuation

Press	To
5 0 or 1	enter punctuation or other characters (see the chart on page31).

Using Capitalization

The first word of a sentence is automatically capitalized, with the words that follow in lowercase.

Press	To
6 up once	change the highlighted word or letter to initial character capitalized
7 up twice	change the highlighted word or letters to uppercase characters
8 down once	change the highlighted word or letters to lowercase characters

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Entering Numbers

Action		To
1	Enter the first digit and then highlight it	put the iTAP software in number entry method
2	Press number keys	add digits to the number
3	Press **SELECT** (⊙)	enter the number

Deleting Letters and Words

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

Action	To
Press **DELETE** (⊙)	delete 1 letter at a time
Press and hold **DELETE** (⊙)	delete the entire message

Using Symbol Method

Your phone provides an alternate way to enter symbol characters in a message. Press ⊙ from any text entry screen and select **Symbol**.

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Press	To
1 a number key one time	display its symbol options at the bottom of the display See “Symbol Chart” on page 37.
2 (*) or (#) **or** Press the number key multiple times	highlight the symbol you want
3 **SELECT** (•)	enter the symbol at the flashing cursor location

Symbol Chart

Use this chart as a guide for entering characters in symbol method.

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

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9 WXYZ	# % *
0 OPR	+ –x * / = > < # §

Using the OK (Smart) Key

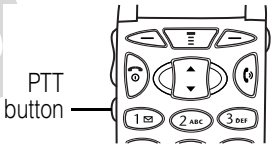
Text to be added.

Using the CLR Key

Text to be added.

Using the Push to Talk Button

Press the Push to Talk button ( ) for immediate access to your **PTT Contacts** list (flip must be open). For detailed information, see "Push to Talk Calls" on page 100.



Note: If the 1X network is not available, **Network Not Available** displays briefly.

Changing a Code or Password

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

If your service provider has *not* reset these numbers, we recommend that you change them to prevent others from accessing your personal information or modifying your

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phone settings. The unlock code must contain 4 digits, and the security code must contain 6 digits.

Note:

- Your service provider may retain your phone's security code for customer service purposes. In this case, you will not be able to use phone features that require you to enter the security code.
- If the unlock code is the only code you can change, the **New Passwords** menu is not available. In this case, change the unlock code by selecting: > **Settings** > **Security** > **Phone Lock** > **Unlock Code**.

To change a code or password:

Find the Feature > **Settings** > **Security** > **New Passwords**

Press	To
1	scroll to the code or password
2 **CHANGE** ( )	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

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Locking and Unlocking Your Phone

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

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

You can make emergency calls even when it is locked. For more information, see page 204.

Locking Your Phone Manually

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

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

Setting Your Phone to Lock Automatically

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

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

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Press	To
1 keypad keys	enter your unlock code
2 **OK** (⊙)	activate automatic lock

Unlocking Your Phone

At the **Enter Unlock Code** prompt:

Press	To
1 keypad keys	enter your unlock code
2 **OK** (⊙)	unlock your phone

If You Forget a Code or Password

If you forget your security code, 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 at the **Enter Unlock Code** prompt:

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

Using the Phonebook

This section briefly describes the basic phonebook operations. For more information about using the phonebook, see page 107 and the *More Here*guide.

Storing a Phone Number

Enter a phone number in the idle screen, then press **STORE**() to create a phonebook entry with that number. Fill in the other fields tocomplete the entry.

Select **MORE**to store another number (for example, a work number under the same **Name**.

Dialing a Number

Press > **Phonebook** >entry to call.

Sorting Phonebook Entries

Press > **Phonebook** > > **Setup** > **Sort by**, then select whether you want to sort the phonebook by **Name**, **Speed No.**, or **Email**.

Viewing Entries by Category

Press > **Phonebook** > > **Setup** > **View**, then select whether you want to view by **All Contacts** or **Primary Contacts**.

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Viewing Your Phone Number

Press
5 #

Zooming In and Out

Press and release 5, then press and hold 5 to zoom the text in and out on the display. Zoom in to increase text size, zoom out to display more information.

Note: You must continue to hold 5 until you see the increase or decrease in text size.

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Push to Talk Calls

Push to Talk is a two-way feature that lets you talk walkie-talkie style with other Push to Talk subscribers. With Push to Talk, you can start a Private One-to-One Call to communicate with an individual, or you can start a Group Call to communicate with a group of people at the same time.

You can start a Push to Talk call by:

- Selecting a name or number from your **PTT Contacts** list
- Entering a Push to Talk number from the keypad
- Selecting a name or number from your **Dialed Calls**, **Received Calls**, or **Phonebook lists**

Private One-to-One Calls

You can start a Private call to 1 person either as an Alert or Barge call.

- Alert call sends a call alert tone to inform the person of your incoming call.
- Barge call lets you talk immediately to the called person without sending a call alert tone.

Group Calls

You can start a Group call with all available members of a group that you have set up in your **PTT Contacts** list. However, as with a Private call, you cannot start a Group call as an Alert call, only as a Barge call.

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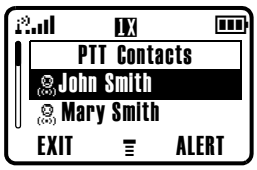
Setting Up Your Contacts List

You can set up your contacts list by going to the Verizon Wireless Push to Talk Contact Management website at `www.vzwpushtotalk.com`.

Viewing Your Push to Talk Contacts List



To see the contacts in your **PTT Contacts** list, press the Push to Talk button ( ) from the idle display. Presence icons display to the left of the individual or group names to indicate online or offline status. When an individual is online, displays. When a group is online, displays. When an individual or group is offline, X displays.

Sorting Your Push to Talk Contacts List

After you have set up your **PTT Contacts** list, you can sort it by name or by status. When you sort by name, the list displays in alphabetical order. When you sort by status (online/offline), the list displays the first available online contact, by presence icon, in alphabetical order.

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Press	To
1	display the **PTT Contacts** list
2	display the **Contacts Menu**
3	highlight **Setup**
4 **SELECT**	display the **Setup** menu
5 **CHANGE**	display the **Sort by** menu
6	highlight **Name** or **Status**
7 **SELECT**	sort the list
8 **DONE**	exit

"Open To" Sorting in Push to Talk Contacts List

You can sort your **PTT Contacts** list alphabetically by name (**Top of List**), or by the last call you received (**Last Call**).

Press	To
1	display the **PTT Contacts** list
2	display the **Contacts Menu**
3	highlight **Setup**
4 **SELECT**	display the **Setup** menu
5	highlight **Open To**
6 **CHANGE**	display the **Open To** menu
7	highlight **Top of List** or **Last Call**

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Press	To
8 **SELECT** (⊙)	sort the list
9 **DONE** (⊙)	exit

Turning On/Off the Speakerphone

Your Push to Talk and wireless phone has a high-quality, dedicated internal speakerphone.

Press	To
◀	turn on or turn off the speakerphone
SPEAKER (⊙), when displayed	turn on or turn off the speakerphone during a Push to Talk call When **SPEAKER** displays, the speakerphone is off. When displays, the speakerphone is on. For privacy, turn off the speakerphone and use the earpiece for listening.

Notes:

To set the speakerphone to **Always On** or to a **20 sec timeout**, see pages 77 and 82.

When you turn off your phone, the speakerphone resets to **Off**.

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Push to Talk Calling States

Presence icons indicate when individuals and/or groups in your contacts list are online. Call tones, text, and icons keep you informed of the calling state during Push to Talk calls, refer to the following sections.

Presence Icons

The table below show the icons displayed in the **PTT Contacts** list to indicate if an individual or group is available for Push to Talk calls.

Icon	Status
	User is online.
	Group is online.
X	Individual or group is offline.

Call Tones

The table below describes the call tones sent and received during Push to Talk calls.

Note: These tones can not be customized.

Tone	Description
Alert Tone	When you start or receive an Alert call, 2 short high-pitched beeps sound.
Ring Back	When you alert a called party, a high-pitched rhythmic tone sounds.

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Tone	Description
Announce Barge Call	When you receive a Barge call, 2 short low-pitched beeps sound.
OK to Talk	A short chirp sounds to let you know you can talk.
Floor Control Available	After the other party releases (PTT), a short beep sounds.
Floor Control Unavailable	When the other party has floor control and you press (PTT), a long beep sounds.
Busy Tone	When you call a party who is already on another call, 3 long beeps sound.
Call Refused or Unavailable	When the called party is unavailable to take your call, a long beep (same as Floor Control Unavailable) sounds.

Icons and Text

The table below describes the icons and text displayed on the screen during Push to Talk calls.

Icon/Text	Displays
To Alert, Press and Release PTT Button	After you have selected a contact to send an Alert call to.
Alerting ... John	After you press (PTT) when sending an Alert call.
Alert from John	When you receive an Alert call.

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Icon/Text	Displays
Connecting ... John	When you are calling an individual.
Connecting ... Group	When you are calling a group.
Talking to John	When you are talking to an individual and you have floor control.
Talking to SalesTeam	When you are talking to a group and you have floor control.
Listening to John	When an individual is talking and has floor control.
Listening to John	When a member of group is talking and has floor control. **Note:** When a member of a group is talking, the member's name displays, not the group name.
Connected John	When connected to an individual and floor control is available.
Connected Group	When connected to a group and floor control is available.
Call Ended John	When an individual call has ended.
Call Ended Group	When a group call has ended.
John Busy	When the called party is on another call.
Alert Failed	When the network cannot be accessed while attempting to start an Alert call.

DRAFT

Icon/Text	Displays
Call Failed	When the network cannot be accessed while attempting to start a Barge call.
John Unavailable	When the called party is unavailable, offline, does not respond to the incoming call, or presses **IGNORE** ().

Basic Push to Talk Instructions

The table below describes actions during Push to Talk calls.

Note: The actions are not necessarily in the exact order of events.

Action	To
From the idle display, press and release	display the **PTT Contacts** list
Press in the contacts list	highlight a name, group, or number to call
Press **ALERT** (), then press and release , and wait for the **OK to Talk Tone**	send an **Alert Tone** to start an Alert call with a highlighted entry **Note:** This action applies to Alert calls only.

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Action	To
After the **OK to Talk tone**, press and hold	talk **Important:** If you do not wait for the **OK to Talk** tone, part of your message may be lost.
Press and hold	start a Barge call with a highlighted group **Note:** This action applies to Barge calls only.
If no one talks (is not pressed and held) for 20 seconds or more during a call, the call automatically disconnects. Press to return to the idle display, or close the flip.	
Release	make floor control available
Press **EXIT** ( ) or	end the call

Making Push to Talk Calls

When displays at the top of the screen, you can make and receive Push to Talk calls.

Important: Refer to “PTT Calling States” on page 116.

Making a Barge Call from the Push to Talk Contacts List

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Action		To
1	Press (PTT)	display the **PTT Contacts** list
2	Press (◎)	highlight the name or number of the group to call
3	Press and hold (PTT), and wait for the **OK to Talk** tone	start the call
4	After the **OK to Talk** tone, continue to hold (PTT)	talk
5	Release (PTT)	allow another party to talk
6	Press **EXIT** (⊽) or (☎)	end the call

Making a Barge Call from the Idle Display Using the Keypad

DRAFT

Action	To
1 From the idle display, push the appropriate keys on the keypad	enter the Push to Talk number of the group to call **Note:** As you enter the number, it is compared against entries in the **PTT Contacts** list for a match. If a match is found, the group name replaces the number entered.
2 Press and hold (PTT), and wait for the **OK to Talk** tone	start the call
3 After the **OK to Talk** tone, continue to hold (PTT)	talk
4 Release (PTT)	allow another party to talk
5 Press **EXIT** (⊘) or ⊘	end the call

Making a Barge Call from the Dialed and Received Calls List

Find the Feature > **Recent Calls**

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Action		To
1	Press **SELECT** (), then press	enter the **Recent Calls** menu, then to highlight **Dialed Calls** or **Received Calls**
2	Press **SELECT** ()	open the list
3	Press	highlight the group name or number to call
4	Press and hold , and wait for the **OK to Talk** tone	start the call
5	After the **OK to Talk** tone, continue to hold	talk
6	Release	allow another party to talk
7	Press **EXIT** () or	end the call

Making a Barge Call from the Phonebook

Find the Feature > **Phonebook**

DRAFT

Action		To
1	Press ◎	scroll through the **Phonebook** list and highlight the group name or number to call
2	Press and hold (Ⅲ•Ⅲ), and wait for the **OK to Talk** tone	start the call
3	After the **OK to Talk** tone, continue to hold down (Ⅲ•Ⅲ)	talk
4	Release (Ⅲ•Ⅲ)	allow the other party to talk
5	Press **EXIT** (◇) or ⌂	end the call

Making an Alert Call from the Push to Talk Contacts List

Action		To
1	Press (Ⅲ•Ⅲ)	display the **PTT Contacts** list
2	Press ◎	highlight the name or number of the person to call
3	Press **ALERT** (◇), then press and release (Ⅲ•Ⅲ)	send the **Alert Tone** and start the call

DRAFT

Action		To
4	After the called party responds, then releases floor control to you, press and hold , and wait for the **OK to Talk** tone	
5	After the **OK to Talk** tone, continue to hold down	talk
6	Release	allow the other party to talk
7	Press **EXIT** ( ) or	end the call

DRAFT

Making an Alert Call from the Idle Display Using the Keypad

Action		To
1	From the idle display, push the appropriate keys on the keypad	enter the Push to Talk number of the person to call **Note:** As you enter the number, it is compared against entries in the contacts list for a name match. If a match is found, the name replaces the number.
2	Press	display the **Dialing Menu**
3	Press (if required)	highlight **Alert**
4	Press **SELECT** (), then press and release	send the **Alert Tone** and start the call
5	After the called party responds, then releases floor control to you, press and hold , and wait for the **OK to Talk** tone	

DRAFT

Action	To
6 After the **OK to Talk** tone, continue to hold down	talk
7 Release	allow the other party to talk
8 Press **EXIT** ( ) or	end the call

Making an Alert Call from the Dialed and Received Calls List

Find the Feature > **Recent Calls**

Action	To
1 Press **SELECT** ( ), then press	enter the **Recent Calls** menu, then to highlight **Dialed Calls** or **Received Calls**
2 Press **SELECT** ( )	enter the highlighted list
3 Press	highlight an entry from the list
4 Press	enter the **Last Calls Menu**
5 Press	highlight **Alert**
6 Press **SELECT** ( ), then press and release	send the **Alert Tone** and start the call

DRAFT

Action		To
7	After the called party responds, then releases floor control to you, press and hold , and wait for the **OK to Talk** tone	
8	After the **OK to Talk** tone, continue to hold down	talk
9	Release	allow the other party to talk
10	Press **EXIT** ( ) or	end the call

Making an Alert Call from the Phonebook

Find the Feature > **Phonebook**

Action		To
1	Press	highlight a phonebook entry
2	Press	display the **Phonebook Menu**
3	Press	scroll to **Alert**
4	Press **SELECT** ( ), then press and release	send the **Alert Tone** and start the call

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Action		To
5	After the called party responds, then releases floor control to you, press and hold , and wait for the **OK to Talk** tone	
6	After the **OK to Talk** tone, continue to hold down	talk
7	Release	allow the other party to talk
8	Press **EXIT** ( ) or	end the call

DRAFT

Answering Push to Talk Calls

Important: Refer to “PTT Calling States” on page 116 for information about alert tones, icons, and text displays received while answering Push to Talk calls.

Answering a Barge Call

When you receive a Barge call, the **Announce Barge Call** tone sounds and your phone immediately goes into **Listening** mode.

Action		To
1	When the caller releases floor control to you, press and hold , and wait for the **OK to Talk** tone	
2	After the **OK to Talk** tone, continue to hold down	talk
3	Release	allow the other party to talk
4	Press **EXIT** ( ) or	end the call

Answering an Alert Call

When you receive an Alert call, the **Alert Tone** sounds and **Alert from** (**name** or **number**) displays.

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Action		To
1	After the **Alert Tone**, press **ANSWER** (⊙)	answer the call
2	Press and hold (III•III), and wait for the **OK to Talk** tone	
3	After the **OK to Talk** tone, continue to hold down (III•III)	talk
4	Release (III•III)	allow the other party to talk
5	Press **EXIT** (⊙) or ⌂	end the call

Canceling an Incoming Call

Action	To
During the call alert tone, press ⌂ or **IGNORE** (⊙)	cancel an incoming Push to Talk call

Missed Alert Call

When an Alert call is missed, **Missed Call** displays.

Note: Your phone does not notify you of missed Barge calls.

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Action	To
1 Press **View** ( )	display the **Received Calls** list
2 Press	scroll through the list
3 Press	return the call

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Setting Up Your Phone

Storing Your Name

To store or edit your name:

Find the Feature > **Settings** > **Phone Status** > **My Tel. Number** > **View** > **Edit**

Note: You can view your phone number using the procedure above, but you can not change it.

Setting the Time and Date

To use the datebook (page 383), you must set the time and date.

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

Setting a Ring Style

You phone rings or vibrates to notify you of an incoming phone call, Push to Talk call, messages, or other event. The ring or vibration is called an *alert*.

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

You can change these ring style settings:

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Setting	Description
Ring Styles > **Style**	ring, vibrate, ring and vibrate, silent, soft, or loud alert types
Ring Styles > **Loud Detail** > **Ring Volume**	volume for all alerts
Ring Styles > **Loud Detail** > **PTT Alert**	alert for incoming phone calls
Ring Styles > **Loud Detail** > **Calls**	alert for incoming Push to Talk calls
Ring Styles > **Loud Detail** > **Inbox**	alert for incoming text messages
Ring Styles > **Loud Detail** > **Voicemail**	alert for incoming voicemail messages
Ring Styles > **Loud Detail** > **Alarms**	alert for alarms
Ring Styles > **Loud Detail** > **Data Calls**	alert for data calls
Ring Styles > **Loud Detail** > **Fax Calls**	alert for fax calls
Ring Styles > **Loud Detail** > **Ringer IDs**	set your phone to play a distinctive ringer ID for specific entries stored in your phonebook
Ring Styles > **Loud Detail** > **Key Volume**	volume for key presses
Ring Styles > **Loud Detail** > **Reminders**	alert for reminders (for example, unread message)
Ring Styles > **My Tones**	create a unique alert tone

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Note: For more information about setting and/or creating alert tones, refer to “Personalizing Your Phone,” in the *More Here*guide.

Setting Answer Mode

You can answer calls with one key press or multiple key presses.

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

Selecting a Screen Saver

You can set a screen saver image that isplays when the phone detects no activity for a period of time.

Find the Feature >**Settings** > **Other Settings** > **Personalize** > **Screen Saver**

Setting Display Contrast

You can set the lighten or darken the display contrast.

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

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Adjusting the Backlight

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

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

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Calling Features

For basic instructions on how to make and answer calls, see page 21.

Changing the Active Line

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

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

The active line indicator in the display shows the current active phone line (see page 22).

Redialing a Number

From the idle display:

Press	To
1	view the **Dialed Calls** list
2	scroll to the entry you want
3	redial the number

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Using Automatic Redial

If the network is busy, you hear a fast busy signal, and your phone displays **Call Failed**.

With automatic redial, your phone automatically redials the number. When the call goes through, your phone rings or vibrates 1 time, displays **Redial Successful**, and then connects the call.

You must turn on automatic redial to use the feature. To turn automatic redial on or off:

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

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

Press	To
or **RETRY**)	activate automatic redial

Using Caller ID

Incoming Calls

Network / Subscription Dependent Feature

Calling line identification (caller ID) displays the phone number for incoming calls in your phone's display.

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

DRAFT

You can also set your phone to play a distinctive ringer ID for specific entries stored in your phonebook. For more information, see page 107.

Turning Off a Call Alert

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

Press	To
either volume key	turn off the alert

Calling an Emergency Number

Your service provider programs 1 or more emergency phone numbers, such as 911, that you can call under any circumstance, even when your phone is locked.

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

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

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Dialing International Numbers

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

Viewing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new entries are added.

Shortcut: Press from the idle display to view the **Dialed Calls** list.

Find the Feature >**Recent Calls**

Press	To
1	scroll to **Received Calls** or **Dialed Calls**
2	select the list

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Press	To
3	scroll to an entry **Note:** ✓means the call connected.
4 **Note: or VIEW** ( ) **or**	call the entry's number **Tip:** Press and hold for 2 seconds to send the number as DTMF tones during a call. view entry details open the **Last Calls Menu** to perform various operations on the entry

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

Option	Description
Store	Create a phonebook or Push to Talk entry with the number in the **No.** field.
Alert	Send a Push to Talk call to the selected entry.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook, recent calls list, or **PTT Contacts** list.

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Returning an Unanswered Call

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

- the (missed call) indicator
- **X Missed Calls Y Unknown**, where **X** is the total number of missed calls and **Y** is the number of missed calls with no caller ID information

Press	To
1 **VIEW** ( )	see the received calls list
2	select a call to return
3	make the call

Using the Notepad

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

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

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Press	To
	call the number
or	open the **Dialing Menu** to attach a number or insert a special character
or	
STORE ( )	create a phonebook entry with the number in the **No**. field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
> **Attach Number**	attach a number from the phonebook or recent calls list

Calling With Speed Dial

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

Tip: To see an entry's speed dial number, press > **Phonebook**, scroll to the entry, press **VIEW**( ).

To speed dial a phonebook entry:

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

Calling With 1-Touch Dial

To call phonebook entries 1 through 9, press and hold the 1-digit speed dial number for 1 second.

We recommend that you reserve phonebook entry 1 (speed dial number 1) for storing and dialing your voicemail number. In many cases, your service provider has already done this for you.

Using Voicemail

Network / Subscription Dependent Feature

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

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

Listening to Voicemail Messages

Find the Feature > **Messages** > **Voicemail**

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

Receiving a Voicemail Message

When you receive a voicemail message, your phone displays the (voice message waiting) indicator and a **New VoiceMail** notification.

Press	To
CALL ( )	listen to the message

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

Storing Your Voicemail Number

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

Find the Feature > **Messages** > **Message Settings** > **Voicemail No.**

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Press	To
1 keypad keys	enter your voicemail number
2 **OK**	store the number
3 (⊙)	

Using Call Waiting

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

Press	To
1 ✆ or **ANSWR** (⊙)	answer the new call
2 ✆	switch between calls
3 ✆	switch between calls

Putting a Call On Hold

Press	To
1 **HOLD**(⊙) (if available) or ⊙> **HOLD**	2

DRAFT

Messages

You can send and receive messages containing a variety of media objects, including text, pictures, animations, sounds, voice records, and video clips.

Setting Up the Message Inbox

You must set up your message inbox **before**you can send and receive messages.

Note: Usually, your service provider has already set up the message inbox for you.

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

Option	Description
Cleanup	Specify the number of days you want to keep messages in the inbox, or number of messages you want to keep. **Note:** Selecting **CUSTOM** lets you specify a customized number of days.

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Sending a Text Message

You can send a text message to other wireless phone users, and to email addresses.

Find the Feature > **Messages** > **Create Message**

Press	To
1 **CHANGE** ( )	select **To**
2 keypad keys **or** **BROWSE**( )	enter 1 or more numbers and/ or email addresses select numbers/addresses from the phonebook or recent calls lists
3 **OK** ( )	store the numbers/addresses
4 **CHANGE** ( )	select **Msg**
5 keypad keys **or** **BROWSE**( )	enter the text message **Note:** Message length is limited. As you near the limit, a display counter downs how many characters are left. select and insert a quick note (see the following section)

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Press	To
6 **OK** (⊙)	store the message
7 **YES** (⊙) **or NO** (⊙)	send the message cancel the message or save it in the drafts folder

Sending a Quick Note Text Message

Quick notes are pre-written text messages that you can send quickly, (for example, **On my way**).You can also create quick notes.

Find the Feature > **Messages** > **Quick Notes**

Press	To
1 ◎	scroll to the quick note
2 **READ** (⊙) **or** ⊙	read the quick note open the **Quick Note Menu** to perform other procedures as described in the following list

The **Quick Notes** menu can include the following options:

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Option	Description
New	Create a new quick note.
Edit	Edit the quick note.
Delete	Delete the quick note.
Send	Open a new message with the quick note in the **Msg** field.

Inserting Pictures, Animations, and Sounds

You can insert pictures, animations, and sounds into a text message as you compose it.

Note: You must subscribe to Enhanced TXT Messaging service to send or receive messages with pictures, animations or sounds. Some phones do not support Enhanced TXT Messaging, and cannot display or play attached pictures, animations, or sounds.

Inserting a File

Enter your message as usual. When you come to a spot where you want to insert a picture or sound file:

Press	To
1	open the **Message Menu**
2	scroll to **Insert**

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Press	To
3 **SELECT** (⊙)	display a list of items you can insert
4 ◎	scroll to **Quick Note**, **Picture**, **Animation**, or **Sound**
5 **SELECT** (⊙)	select the file type
6 ◎	highlight the file you want
7 **INSERT** (⊙)	insert the file

Inserted animations or graphics appear in the message, while sound files are represented by a ♫.

Note: You cannot forward or send some downloaded objects (such as those you pay for). These "protected" objects do not appear in the selection lists for attachments.

Viewing the Status of Sent Text Messages

Messages that you send are stored in the outbox.

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

Messages in the outbox are sorted from newest to oldest. The following indicators show message status:

» = sending in progress ✉ = sent

✕ = sending failed

Tips for Sending Messages

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- Press ⓔ to select a text entry method when you enter message text (see page 30).
- Message length is limited. When you enter message text and/or media objects, a display counter switches between the number of pages you have written (preceded by a *), and the number of characters left on the current page. Network charges are based on the number of pages sent.
  - When you manually enter phone numbers and/or email addresses in the **To** field, you must insert a space between each entry. Press ⊙ to the right to insert a space between each phone number or email address.

Receiving a Message

When you receive a message, your phone displays the ✉ (message waiting) indicator and a **New Inbox Message** notification, and gives an alert based on the current alert setting.

Press	To
READ (⊡)	open the message

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

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

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Messages that you receive cancontain different media objects:

- Photos,pictures, and annimations are displayed as you read the message.
- A sound file or video clip begins plaing when its slide is displayed. Use the volume buttons to adjust the volume as the sound file or video clip plays.

Note: You may have to highlight an indicator embedded in the message to play a sound file or video clip.

- Attached files are appended to the message. To open the attachment, highlight the file indicator/ filename and press **VIEW** (⊙) (image file type), **PLAY** (⊙) (sound file or video clip), or **OPEN** (⊙) (vObject or unknown file type).

Reading, Locking, or Deleting a Text Message

Messages in the message inbox are sorted from newest to oldest. The following indicators show message status:

✉ = unread	✉ = unread (with attachment)
✉! = unread and urgent	✉! = unread and urgent (with attachment)

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= read	= read (with attachment)
= read and locked	= read and locked (with attachment)

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

Find the Feature > **Messages** > **Inbox**

Press	To
1	scroll to the message
2 **READ**	open the message
3 **BACK**	close the message
or	
	open the **Inbox Menu** to perform other procedures

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

Option	Description
Create Message	Open a new message.
Call Back	Call the number in the message header or embedded in the message.

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Option	Description
Go To	Launch the micro-browser and go to a Web address (URL) embedded in the message.
Reply	Open a new message, with the sender's **Reply To** number or email address in the **To** field.
Forward	Open a copy of the message, with an empty **To** field.
Lock or **Unlock**	Lock or unlock the message.
Delete	Delete the message.
Delete All	Delete all inbox messages.
Inbox Setup	Open the message inbox setup menu.

Storing Pictures, Animations, and Sounds

If you subscribe to Enhanced TXT Messaging, messages that you receive can contain pictures, animations, and sounds. Pictures and animations are displayed as you read the message. A sound begins playing when you open the message and select the ♫ (sound file) indicator by pressing * and #.

You can store these embedded object files on your phone, and use them as screen saver images and alert tones.

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Email

Setting Up the Email Inbox

Is this topic applicable?

Sending an Email Message

Is this topic applicable?

Inserting a Quick Note in an Email Message

Is this topic applicable?

Viewing the Status of Sent Email Messages

Is this topic applicable?

Receiving an Email Address

Is this topic applicable?

Reading, Locking, or Deleting an Email Message

Is this topic applicable?

DRAFT

Manually Sending and Receiving an Email Message

Is this topic applicable?

Calling a Phone Number in an Email Message

Is this topic applicable?

Sending Email to an Embedded Email Address

Is this topic applicable?

Going to a Web Address in an Email Message

Is this topic applicable?

Creating Personal Folders

Is this topic applicable?

Moving Email to a Personal Folder

Is this topic applicable?

DRAFT

Renaming a Personal Folder

Is this topic applicable?

Deleting a Personal Folder

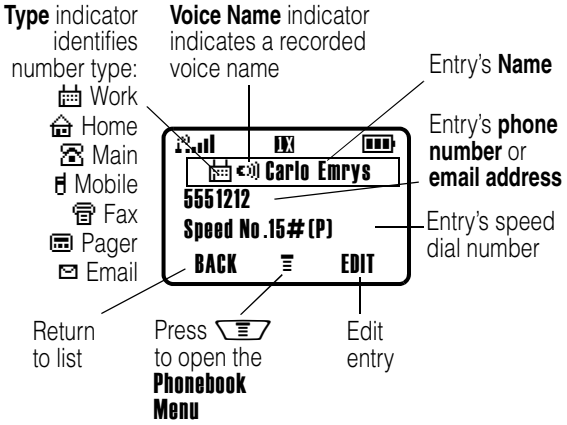
Is this topic applicable?

DRAFT

Setting Up Your Phonebook

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

To see the names in your phonebook, press > **Phonebook** from the idle screen. Scroll to a name and press **VIEW** ( ) to view the following details for the phonebook entry.



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

Creating a Phonebook Entry

To store a phone number or email address in the phonebook:

Find the Feature > **Phonebook**
> [**New Entry**] > **Phone Number**
or
Email Address

Shortcut: Enter a phone number in the idle display, then press **STORE** ( ) to create a phonebook entry with the number in the **No.** field.

A phone number or email address is required for a phonebook entry. All other information is optional. You can enter the following information for a phonebook entry.

Option	Description
Name	Specify the entry name. **Tip:** Press to select a text entry method (see page 30).
No. or **Email**	Specify the entry's phone number or email address (maximum 32 characters).
Type	Set the entry type. **Note:** This option is not available for email addresses.
Speed No.	Change the default speed dial number for the entry, if desired

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Option	Description
Ringer ID	Set a distinctive ringer alert for the entry. Your phone sounds the ringer alert when you receive a call from this phone number. To set ringer IDs, see page 102.
MORE	Create another entry under the same **Name**. You must use a different **Type** identifier for each number.

When you are finished entering information, press **DONE** ( ) to store the entry.

Storing a PIN Code With the Phone Number

You can store a PIN code with the phone number for calls that require additional digits (for example, to make a calling card call, or to retrieve voicemail or answering machine messages). Insert 1 or more of the following characters in the dialing sequence to ensure that the number dials and connects properly:

DRAFT

Press	To
> **Insert Pause**	insert a **p** (pause) character Your phone dials the preceding digits, waits for the call to connect, then sends the remaining digit(s). **Note:** If your network does not recognize the first pause character, try inserting 2 pause characters.
> **Insert Wait**	insert a **w** (wait) character Your phone dials the preceding digits, waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s).
> **Insert 'n'**	insert an **n** (number) character Your phone prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the **n** character

Note: You can store a maximum of 32 digits for a phonebook entry. Each character counts as 1 digit.

Recording a Voice Name for a Phonebook Entry

Please confirm there is no Voice Recording feature.

DRAFT

Dialing a Phonebook Entry

Use 1 of the following procedures to call a number (or send a text message to an email address or mailing list) stored in your phonebook.

Phonebook List

Find the Feature > **Phonebook**

Press	To
1 keypad key letter	jump to entries that begin with that letter (optional)
2	scroll to the entry
3	make the call

Storing Longer Numbers

A phonebook number can contain a maximum of 32 digits and characters. You can create multiple phonebook entries to store a dialing sequence that exceeds the 32-character limit. Then you can send the entries in sequence to dial the number.

To store a dialing sequence longer than 32 characters:

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Action	
1	Create a phonebook entry to store the first part of the dialing sequence (for example, the number for your long-distance service provider).
2	Create a second phonebook entry to store the next part of the dialing sequence (for example, the country code and phone number for an international call).
3	Repeat step 2 as necessary to store the entire dialing sequence. (For example, create a third phonebook entry to store your calling card number and PIN number.)

To dial a dialing sequence stored as multiple phonebook entries:

Action	
1	Dial the first phonebook entry. Perform any pause or wait tasks, if necessary, to complete the dialing sequence. Your phone returns to the idle display.
2	Press > **Phonebook** to reopen the phonebook.
3	Highlight the second phonebook entry, then press > **Send Tones** to send the next portion of the dialing sequence.
4	Repeat steps 2 and 3 as necessary to send the entire dialing sequence.

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Editing a Phonebook Entry

Find the Feature > **Phonebook**

Press	To
1	scroll to the entry **Tip:** Press to open the **Phonebook Menu** to perform various procedures on the entry.
2 **VIEW** ( )	view entry details
3 **EDIT** ( )	edit the entry

Deleting a Phonebook Entry

Find the Feature > **Phonebook**

Press	To
1	scroll to the entry
2	open the **Phonebook Menu**
3	scroll to **Delete**
4 **SELECT** ( )	select **Delete**
5 **YES** ( )	confirm the deletion

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Setting the Phonebook List View

You can view phonebook list entries as a single line of text, or view each entry by its name, number and by speed dial number (the standard), or email address.

Find the Feature > **Phonebook**

Press	To
1	open the **Phonebook Menu**
2	scroll to **Setup**
3 **SELECT**	select **Setup**
4	scroll to **View by**
5 **CHANGE**	select **View by**
6	scroll to **All Contacts**, or **Primary Contacts!**
7 **SELECT**	select the view order
8 **DONE**	sort the view list

Sorting the Phonebook List

You can sort your phonebook list by speed dial number (the standard), name, or email address.

Find the Feature > **Phonebook**

DRAFT

Press	To
1	open the **Phonebook Menu**
2	scroll to **Setup**
3 **SELECT**	select **Setup**
4	scroll to **Sort by**
5 **CHANGE**	select **Sort by**
6	scroll to **Name**, **Speed No.**, or **Email**
7 **SELECT**	select the sort order
8 **DONE**	sort the list

If you select **Speed No.** or **Email**, the procedure is complete.

If you select **Name**, you must specify whether you want to view all numbers or just the primary number for each name:

Press	To
1 **CHANGE**	change view preference
2	scroll to **Primary Contacts** or **All Contacts**
3 **SELECT**	select the view preference
4 **DONE**	set the view preference

To set an entry's primary phone number, see the following procedure.

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Tip: When the phonebook list displays primary numbers only, you can scroll to a name and press ◎ left or right to view other numbers associated with the name.

Setting the Primary Number for a Phonebook Entry

You can enter multiple phone numbers for the same name, and you can specify the primary number.

Find the Feature > **Phonebook**

Press	To
1	scroll to the entry
2	open the **Phonebook Menu**
3	scroll to **Set Primary**
4 **SELECT**	select **Set Primary**
5	scroll to the number you want to set as the primary number
6 **SELECT**	set the primary number

Depending on how the phonebook list is sorted, the primary number is listed first, or is the only number that displays for a phonebook entry.

Checking Phonebook Capacity

Is there a way to check phonebook capacity?

DRAFT

Setting 1-Touch Dial Preference

Is there a way to set 1-touch dial preferences?

Synchronizing Phonebook Entries

You can synchronize phonebook entries between your phone and computer or hand-held device with Starfish TrueSync® software, an accessory for Motorola phones. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

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Personalizing Your Phone

Personalizing a Ring Style

You can change the alerts that notify you of the following events: incoming phone and Push to Talk calls, text messages, voicemail messages, data calls, fax calls, alarms, and reminders. Any changes you make are applied to the current ring style.

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

Note: *Style* represents the current ring style.

Press	To
1	scroll to the event
2 **CHANGE**	select the event
3	scroll to the alert you want
4 **SELECT**	select the alert

Activating Ringer IDs

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

DRAFT

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

Note: *Style* represents the current ring style.

Press	To
1	scroll to **Ringer IDs**
2 **CHANGE**	change the ringer IDs setting
3	scroll to **On** or **Off**
4 **SELECT**	select the option

Set Ringer or Keypad Volume

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

Note: *Style* represents the current ring style.

Press	To
1	scroll to **Ring Volume** or **Key Volume**
2 **CHANGE**	to select the option
3 left or right	scroll to the desired volume
4 **OK**	set the new volume

DRAFT

Setting Reminders

A reminder is an alert that rings or vibrates at regular intervals to notify you about a message that you have received.

Find the Feature > **Ring Styles** > ***Style*** **Detail** > **Reminders**

Note: *Style* represents the current ring style.

Press	To
1	scroll to **Beep** or **Vibrate** to set the reminder alert type, or **Off** to turn off all reminders
2 **SELECT** ( )	select the reminder alert

Setting a Personal Greeting

Network / Subscription Dependent Feature

To set a personal greetingthat displays when you turn on your phone:

Find the Feature > **Settings** > **Other Settings** > **Personalize** > **Greetings**

Setting Display Text

Is this a feature in this phone?

DRAFT

Personalizing Soft Keys

You can relabel the soft keys (◇ and ◇) to access different menu items from the idle display.

Find the Feature > **Settings** > **Other Settings** > **Personalize** > **Keys**

Press	To
1 ◎	scroll to **Left** or **Right**
2 **CHANGE** (◇)	select the key
3 ◎	scroll to the new key function
4 **CHANGE** (◇)	confirm the new function

Personalizing the Menu

You can reorder the items in your phone's main menu.

Find the Feature > **Settings** > **Other Settings** > **Personalize** > **Main Menu**

Press	To
1 ◎	scroll to a menu item
2 **GRAB** (◇)	grab the menu item

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Press	To
3 ◎	move the item to a new location in the menu
4 **INSERT** (▷)	insert the menu item

Setting the Menu Language

Set the language in which menu features and options are displayed.

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

Setting Menu Scroll Behavior

Set the highlight bar to stop or wrap around when you reach the top or bottom of a menu list.

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

Resetting All Options

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

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

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Clearing All Stored Information

Reset all options back to their original factory settings, **except** for the unlock code, security code, and lifetime timer, erase all downloaded pictures, animations and sound files, and clear all user settings and entries.

Caution: Master clear **erases all user-downloaded content and user-entered information** stored in your phone's memory, including phonebook and datebook entries. After you erase the information, you cannot recover it.

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

Creating and Using Shortcuts

Your phone includes several standard shortcuts. You can create additional custom shortcuts to frequently used menu items.

Standard Shortcuts

The following shortcuts are preprogrammed on your phone. You cannot edit or delete these shortcuts.

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Task	Shortcut
Change your phone's ringer alert volume.	Press the volume button up or down to increase or descrease the alert volume.
Display your phone number.	From the idle display, press 0.
Go to the dialed calls list.	From the idle display, press .
Exit the menu system.	Press .
Exit from any screen without saving changes	Press .

Note: Voicemail does not apply to Push to Talk calls.

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.

DRAFT

Advanced Features

Making a 3-Way Call

During a call, you can connect a third party for a 3-way call.

Note: You cannot use 3-way call if you have a call on hold.

Press	To
1 keypad keys	dial the third party's number **Note:** Some networks may require you to press ⌂ first.
2 ⌂	call the number
3 ⌂	connect the two calls
4 ⌂	end the 3-way call

Restricting Calls

You can stop all incoming and/or outgoing calls, or you can restrict calls to the numbers stored in your phone book.

Note:

- You can make emergency calls when outgoing calls are restricted.
- Your phone still receives incoming text messages when incoming calls are restricted.

DRAFT

Find the Feature > **Settings** > **Security** > **Restrict Calls**

Press		To
1	keypad keys	enter your unlock code
2	**OK** ( )	open the restrict calls menu
3		scroll to **Outgoing Calls** or **Incoming Calls**
4	**CHANGE** ( )	select the option
5	**CHANGE** ( )	change the **Allow** setting
6		scroll to **All**, **None**, or **Phonebook**
7	**SELECT** ( )	select the allowed calls

Tip: The phonebook is not locked when you restrict outgoing calls to numbers stored in the phonebook. To prevent someone from adding (and then calling) a new phonebook entry, you can lock the phonebook.

TTY Operation

Optional Accessory

You can use an optional TTY device with your phone to send and receive calls. You must plug the TTY device into the phone's headset jack and set the phone to operate in 1 of 3 TTY modes.

Note:

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- Use a TSB-121 compliant cable (provided by the TTY manufacturer) to connect the TTY device to your phone.
- Set the phone volume to level 4 (middle setting) for proper operation. If you experience a high number of incorrect characters, adjust the volume as necessary to minimize the error rate.
- For optimal performance, your phone should be at least 12 inches (30 centimeters) away from the TTY device. Placing the phone too close to the TTY device may cause high error rates.

Set TTY Mode

When you set your phone to a TTY mode, it operates in that mode whenever the TTY device is connected.

Find the Feature > **Settings** > **Other Settings** > **Initial Setup** > **TTY Setup**

Press	To
1 ◎	scroll to **TTY Setup**
2 **CHANGE** (⊙)	change the TTY mode
3 ◎	scroll to the TTY mode
4 **SELECT** (⊙)	select the TTY mode

The **TTY Setup** menu can include the following options:

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Option	Description
TTY	Transmit and receive TTY characters.
VCO	Receive TTY characters but transmit by speaking into the microphone.
HCO	Transmit TTY characters but receive by listening to the earpiece.
Voice	Return to normal voice mode.

When your phone is in a TTY mode, the international TTY symbol and the mode setting display during an active digital TTY call.

Return to Voice Mode

To return to normal voice mode, select **Voice** from the **TTY Setup** menu.

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.

Activating DTMF Tones

You can set DTMF tones to **Long**, **Short**, or **Off**:

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

Short sends a short fixed-duration tone for each kep press. **Long** sends each tone for a long as you press the key. Short DTMF tones work with most automated systems. Some systems (such as home answering machines) may require long tones for proper activation.

Sending DTMF Tones

Using the Keypad

Press the number keys to send the numbers as DTMF tones during a call.

Note: When sending long tones, you may have to enter a single short key press first to put the phone in DTMF mode.

Sending Stored Numbers

During a call, highlight a number in the phonebook or recent calls lists, then:

Press	To
1	open the sub-menu
2	scroll to **Send Tones**
3 **SELECT**	send number as DTMF tones

DRAFT

Monitoring Phone Use

Viewing and Reseting Call Timers

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

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

To view a call timer:

Network / Subscription Dependent Feature

he Feature > **Recent Calls** > **Call Times**

Option	Description
Last Calls	Approximate time spent on the last dialed or received call. You cannot reset this timer.
Dialed Calls	Approximate total time spent on dialed calls since the last time you reset this timer.
Received Calls	Approximate total time spent on received calls since the last time you reset this timer.

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Option	Description
All Calls	Approximate total time spent on dialed and received calls since the last time you reset this timer.
Lifetime	Approximate total time spent on all calls on this phone. You cannot reset this timer.

To reset the call timer:

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

Using a Timer During a Call

You can set a timer to beep at selected intervals during a call, and display different types of information during a call.

Find the Feature > **Settings** > **In-Call Setup** > **In-Call Timer**

Select 1 of the following **Beep** options:

Option	Description
60 Seconds	Beep at 1-minute intervals during a call.
Off	No in-call beep.

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Select one of the following **Display** options:

Option	Description
Time	Display the approximate elapsed time for the curent call.
Off	No in-call timer display.

GPRS Data Timers and Data Volume Meters

Does this phone support this feature?

Using Handsfree Features

Your phone includes an integrated handsfree speaker that you can use for handsfree applications. For instructions on how to use the handsfree speaker, see your *Start Here* guide.

You can purchase an optional Motorola Original™ handsfree car kit or headset for your phone. These accessories provide alternative ways for you to use your phone without using your hands.

If the accessory supports Bluetooth™ wireless connections, you can setup a Bluetooth wireless link with your phone.

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.

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Adjusting Bluetooth Accessory Settings

If Bluetooth-enabled headset or car kit accessory supports remote volume control, you can use your phone's volume buttons to set the device's speaker volume during a handsfree call.

Activating an External Speaker

To use an external speakerphone with your phone, connect the speakerphone and, during an active call:

Press	To
SPEAKER (▷) (if available) or ◁	turn on or turn off the connected speakerphone

Automatic Answer

Set your phone to automatically answer calls after 2 rings (4 seconds) when connected to a car kit, speakerphone, or headset.

Find the Feature > **Settings** > **Other Settings** > **Car Setings** or **Headset**

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Press	To
1 ◎	scroll to **Auto Answer**
2 **CHANGE** (⊙)	select **Auto Answer**
3 ◎	scroll to **On** or **Off**
4 **SELECT** (⊙)	change and confirm the setting

Automatic Handsfree

Set your phone to automatically route calls to a car kit when it detects a connection.

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

Press	To
1 ◎	scroll to **On** or **Off**
2 **SELECT** (⊙)	confirm the setting

Power-Off Delay

When connected to a car kit, you can set your phone to stay on for a period of time after you switch off the ignition. This prevents the phone from draining your vehicle battery, but leaves the phone on long enough that you do not have to re-enter your unlock code when making short stops.

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Find the Feature > **Settings** > **Other Settings** > **Car Settings** > **Power-Off Delay**

Press	To
1	scroll to the time delay
2 **SELECT**	confirm your selection

Note: This feature may not work with all car ignition switches.

Caution: If you select **Continuous**, the phone does not power off when you turn off the ignition. Be careful not to drain your vehicle battery if you select this option.

Charger Time

When your phone is connected to a car kit, you can set it to charge itself for a specified time period after you switch off the ignition. This helps ensure that the phone battery gets fully charged while the vehicle is parked.

Note: This feature may not work with all car ignition switches.

Find the Feature > **Settings** > **Other Settings** > **Car Settings** > **Charger Time**

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Press	To
1 ◎	scroll to the charge time
2 SELECT (⊙)	confirm your selection

Note: This feature may not work with all car ignition switches.

Making Data and Fax Calls

An optional Motorola Original™ data kit (which includes a cable connector) lets you transfer data between your phone and a computer, Palm OS® compatible device, or Microsoft Windows CE, Pocket PC, or Handheld PC device. You can:

- Synchronize phonebook and datebook information between your phone and a computer or PDA.
- Use your phone as a modem to connect to the Internet.
- Use your phone to send and receive data and fax calls on your computer or handheld device.

Making a Cable Connection

Installing the Software

To transfer data between your phone and computer, you must install the software included with the Motorola Original data kit. See the data kit user's guide for more information.

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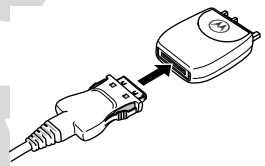
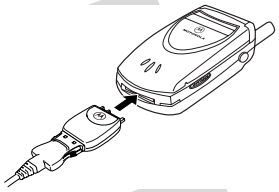
Attaching the Cable

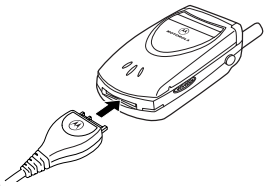
Use a Motorola Origina™l serial cable or Motorola Original USB cable to connect your phone to the external device.

Note: Not all devices are compatible with a cable connection. Check your computer or handheld device to determine the type of cable you need.

Serial Cable

Do This	
1	Plug the serial cable into the detachable head. Make sure that the Motorola logo on the detachable head and the metal shielding on the serial cable plug are both facing you. 
2	With the Motorola logo and the phone both facing you, plug the detachable head into the phone's accessory connector port. 
3	Plug the other end of the cable into the serial interface connection on the device and tighten the screws. if present.

USB Cable

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

Making a Wireless Connection

If the other device supports Bluetooth™ wireless connections, you can set up a Bluetooth wireless link with your phone. See the following section.

Note: Not all devices are compatible with Bluetooth connection. Check your external device for specifications.

Synchronizing Data

You can synchronize phonebook and datebook information between your phone, computer, and PDA with Starfish TrueSync® software, an accesssory for Motorola phones. See the TrueSync user's guide for more information.

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Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Sending a Data or Fax Call

Use this procedure to send data or a fax from a connected computer or handheld device.

Action	
1	Make sure the phone is connected and powered on.
2	Open the application (such as dial-up networking or fax) and place the call through the application.
Note: You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer, unless you are making a talk then fax call (see following section).	
3	When the transfer is complete, end the call from the connected device to close the connection.

Receiving a Data or Fax Call

Use this procedure to transfer data or a fax to a computer or handheld device.

Transferring the Data or Fax

Your phone notifies you when the data or fax call arrives, and transfers the call to the connected device. Use the application running on the device to answer the call.

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Ending the Data/Fax Connection

When the data or fax transfer is complete, end the call from the connected device to close the connection.

Resetting Normal Voice Operation

After making a data or fax call, you must reset your phone to resume normal voice operation.

Find the Feature > **Settings** > **Connection** > **Incoming Call** > **Next Call** > **Normal**

Shortcut: Turn your phone off then back on to reset your phone to normal voice operation.

Adjusting Network Settings

Your service provider registers your phone to its network. In some situations, such as using the phone as a modem or connecting it to a TTY device, you may need to change the network registration.

Note: Some settings and/or options described in this section may not be available for all phone models.

Find the Feature > **Settings** > **Other Settings** > **Network** > **Current Network**

Your phone displays the network ID.

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Setting Network Options

Option	Description
Analog Only	**Need description**
Set Mode	**Need description**
Srvc Status	**Need description**
Service Tone	Set your phone to beep each time the network registration status changes.
Call Drop	Set your phone to alert whenever the network drops a call.

Finding a New Network

You may decide to switch to another network to improve the calling conditions, because of network coverage or roaming conditions. To select a new network:

Can you switch or find new networks on this phone? (I could not locate NEW NETWORK.)

Listing All Networks

Can you perform this function on this phone?

Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature	> **Settings** > **Phone Status** > **Battery Meter**

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Viewing Phone Specifications

To view your phone's feature specifications:

the Feature > **Settings** > **Phone Status** > **Other Information**

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Personal Organizer

Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings.

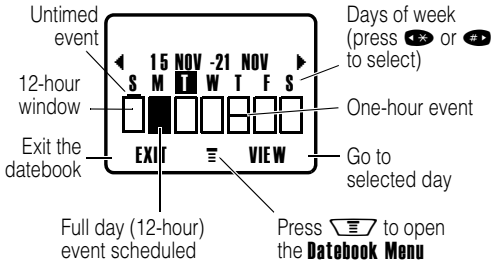
Note: You must set the correct time and date on your phone to use the datebook.

To schedule or review datebook events:

Find the Feature > **More** > **Datebook**

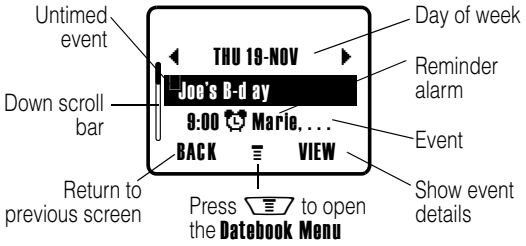
Week View

The datebook initially displays a calendar for the week. Lines or filled boxes indicate scheduled events.



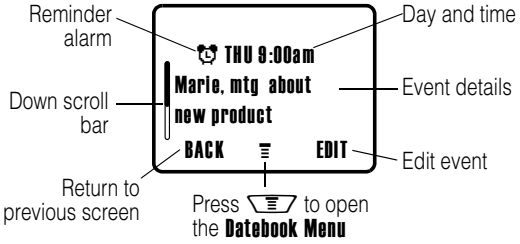
Day View

Select a day and press **VIEW** (⊙) to see the day's events.



Event View

Select an event and press **VIEW** (⊙) to see event details.



Creating a Datebook Event

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

Tip: You can create a 1-time event to act as an alarm clock!

Notes:

- You must create an event to use the reminder alarm.

- Your phone must be turned on for the reminder alarm to sound.

Find the Feature > **More** > **Datebook** > ***day***
> **New**

Press	To
1 **CHANGE** (⊙)	select **Title**
2 keypad keys	enter a title for the event **Tip:** Press to seledct a text entry method.
3 **OK** (⊙)	store the event title
4	scroll to other fields and enter information as necessary You can set start time, duration, date, repeat interval, and reminder alarm.
5 **DONE** (⊙)	store the event

Changing Event Information

Find the Feature > **More** > **Datebook**

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Press	To
1 ◎ left or right	scroll to the day
2 **VIEW** (⊙)	display the day view
3 ◎	scroll to the event
4 **VIEW** (⊙)	display the event view
5 **EDIT** (⊙)	edit the event
6 ◎	scroll to the information you want to change
7 **CHANGE** (⊙)	edit the information
8 keypad keys	enter new information
9 **DONE** (⊙)	store the information

Copying an Event

Find the Feature > **More** > **Datebook**

Press	To
1 ◎ left or right	scroll to the day
2 **VIEW** (⊙)	display the day view
3 ◎	scroll to the event
4	open the **Datebook Menu**
5 ◎	scroll to **Copy**
6 **SELECT** (⊙)	copy the event

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Press	To
7 **YES** (⊙)	confirm the copy Your phone assumes you want to change the date, and displays the **Date** field.
8 keypad keys	enter date information
9 ◎	move to month, day, and year
10 **DONE** (⊙)	save the copy of the event
11 ◎	scroll to and edit event information, if necessary
12 **DONE** (⊙)	store the information

Deleting an Event

Find the Feature > **More** > **Datebook**

Press	To
1 ◎ left or right	scroll to the day
2 **VIEW** (⊙)	display the day view
3 ◎	scroll to the event
4	open the **Datebook Menu**
5 ◎	scroll to **Delete**
6 **SELECT** (⊙)	select **Delete**
7 **YES**(⊙)	confirm the deletion

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Viewing and Dismissing an Event Reminder

When you set a reminder alarm for an event, the phone displays an event reminder and sounds a reminder alarm. To view or dismiss an event reminder:

Press	To
VIEW ( )	view the event Press ◎ to scroll through the event details
EXIT ( )	dismiss the reminder

If you have more than 1 event set up for the same time, the phone displays each event in sequence. As you view and dismiss each event reminder, the next event is displayed.

Changing the Datebook Setup

You can change the daily start time and length of time that events are stored.

Find the Feature > **More** > **Datebook** > **Setup**

Synchronizing Datebook Entries

Is this feature applicable in T300p?

Calculator

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

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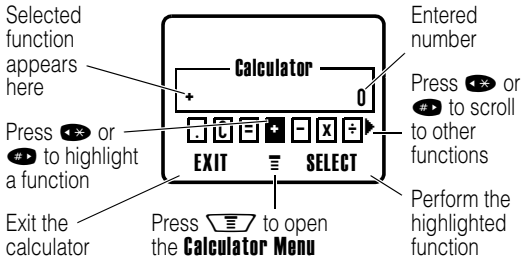
Calculating Numbers



Find the Feature > **More** > **Calculator**

Press	To
1 number keys	enter a number
2	highlight a calculator function
3 **SELECT** ( )	perform the function
4 number keys	enter next number
5 = ( )	caluclate the result

The calculator can perform the following functions:

Function	Description
.	Insert a decimal point.
C	Clear the calculation.
=	Calculate the result.

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Function	Description
+	Add.
-	Subtract.
x	Multiply.
÷	Divide.
%	Divide the displayed value by 100.
$	Calculate the exchange rate.
+-	Change the entry's sign (positive/ negative).
MR	Replace the displayed value with the value stored in memory.
MS	Store the value in memory (overwrites values already stored).
MC	Clear the value stored in memory.
±	Change the entry's sign (positive/ negative)

Converting Currency

The currency converter works just like the calculator, but converts a currency value based on the exchange rate you specify:

Find the Feature > **More** > **Calculator** > **Exchange Rate**

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Press		To
1	number keys	enter the exchange rate
2	**OK** (⊙)	store the exchange rate
3	number keys	enter the amount to convert (amount to multiply by the exchange rate)
4	◎	scroll to **$**
5	**SELECT** (⊙)	perform the conversion

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Security

Locking and Unlocking Applications

You can lock specific phone applications (such as the phonebook) so that users must enter the unlock code to use them.

Find the Feature > **Settubgs** > **Security** > **Lock Application**

Press	To
1 keypad keys	enter your unlock code
2 **OK** ( )	open the lock application menu
3	scroll to the application
4 **CHANGE** ( )	select the application
5	scroll to **Locked** or **Unlocked**
6 **SELECT** ( )	select **Locked** or **Unlocked**

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News and Entertainment

Micro-Browser

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

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

Starting a Micro-Browser Session

Find the Feature > **Browser**

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Press	To
1 ◎	scroll to a bookmark, service, or application
2 SELECT (⊙)	select the item
3 ⌂	exit the browser

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

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

Interacting with Web Pages

Press	To
◎	scroll through text, or highlight a selectable item
SELECT (⊙)	enter information **Tip:** Press DELETE (⊙) to delete 1 letter at a time if you make a mistake.
BACK(⊙)	go back to the previous page
⊟	open the **Browser Menu**

Downloading Objects from a Web Page

You can download a photo, picture, animation, sound, or phone theme from a Web page. You can store these media

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objects on your phone and use them as wallpaper images, screen saver images, and event alerts.

Storing a Picture or Animation File

Press	To
1 ◎	highlight the picture or animation
2 ⊟	open the **Inbox Menu**
3 ◎	scroll to **Store**
4 **SELECT** (⊡)	display a list of items you can store
5 ◎	scroll to **File Attachment**
6 **SELECT** (⊡)	display the file name
7 **STORE** (⊡)	view storage options
8 ◎	scroll to **Store Only**, or **Set as Screen Saver**
9 **SELECT** (⊡)	store the file and, optionally, set it as your screen saver image

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Storing a Sound File

You can store a sound file and set it as an event alert.

Press	To
1 ◎	highlight the sound file indicator (♫) indicator in the message
2 ⊡	open the **Inbox Menu**
3 ◎	scroll to **Store**
4 **SELECT** (⊡)	display a list of items you can store
5 ◎	scroll to **File Attachment**
6 **SELECT** (⊡)	display the file name
7 **STORE** (⊡)	view storage options
8 ◎	scroll to **Store Only** or **Set As Ring Tone**
9 **SELECT** (⊡)	select the option If you select **Store Only**, the procedure is complete. If you select **Set As Ring Tone**, your phone displays **Set As Which?**, and lists the events for which you can set an alert.
10 ◎	scroll to the event
11 **SELECT** (⊡)	store the sound and set it as the event alert

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Selecting or Creating a Web Session

Is this function applicable to T300p?

Running the Mirco-Browser in the Background

Is this function applicable to T300p?

Setting Service Preferences

Is this function applicable to T300p?

Phone Themes

Is this function applicable to T300p?

Using Photos and Pictures

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

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Games and Applications

Network / Subscription Dependent Feature

Your phone contains Java games that you can play between calls. Each game includes online playing instructions.

You phone may contain additional Java applications that add features and functionality to your phone.

Find the Feature > **Games**

Downloading an Application with the Micro-Browser

This entire sections needs to be verified because I don't have Get It Now in the phones that I have.

Find the Feature > **Get it Now** > **Get it Now Shop**

Go to the page that contains the application, then:

Press	To
1	scroll to the application
2 **SELECT**	view the application details
3 **DWNLOAD**	download the application

Launching an Application

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This entire sections needs to be verified because I don't have Get It Now in the phones that I have.

Find the Feature > **Get it Now** > *application*

Note:

- If you receive an incoming call while using an application, your phone pauses the application, notifies you of the call, and prompts you to answer. When the call ends, the phone gives you the option to return to the application.
- If you receive an incoming call while downloading an application, your phone forwards the call to your voicemail. If you do not have voicemail, the caller receives a busy signal.

Disabling or Removing an Application

This entire sections needs to be verified because I don't have Get It Now in the phones that I have.

The memory capacity of your phone determines how many applications you can have installed at one time. To free up memory for a new application, you can temporarily disable an existing application, or permanently remove the existing application from your phone.

When you *disable* an application, your phone removes the application from memory but retains the purchase information. You can restore the disabled application at a later time for no additional charge.

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When you *remove* an application, your phone completely removes the application from the phone. To reinstall the application, you must download it and pay for it again as described on page 150.

Find the Feature > **Get it Now** > **Get it Now Shop**

Press	To
1 **OPTIONS**	view the list of applications installed on your phone
2	scroll to the application you want
3 **SELECT**	view the application's memory usage information, and expiration information, if applicable
4 **DISABLE** **or** **REMOVE**	temporarily disable the application permanently remove the application from memory
5 **YES**	confirm your selection Your phone disables or removes the application

Note: Airtime charges apply to remove an application subscription. Contact Verizon Wireless for more information.

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Restoring a Disabled Application

This entire sections needs to be verified because I don't have Get It Now in the phones that I have.

Find the Feature > **Get it Now** > **Get it Now Shop**

Press	To
1 **OPTIONS**	view the list of applications installed on your phone
2	scroll to the application you want to restore
3 **SELECT**	view the application's memory usage information, and expiration information, if applicable
4 **RESTORE** **or** **REMOVE**	restore the application permanently remove the application from memory

Note: Airtime charges apply to restore an application. Contact Verizon Wireless for more information.

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Viewing Get It Now Information and History

This entire sections needs to be verified because I don't have Get It Now in the phones that I have.

To view the total amount of phone memory available for Get It Now applications, and the memory used for current installed applications:

Find the Feature > **Get it Now** > **Get it Now Shop** > **Options** > **Information**

To view Get It Now version information, and a log of application activities:

Find the Feature > **Get it Now** > **Get it Now Shop** > **Options** > **View Log**

Your phone lists the date(s) on which application activities occurred. Highlight a date to view the action performed on that date. Your phone documents the following activities:

- download and install application
- disable application
- remove application
- restore application
- end application subscription

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Creating and Editing Ring Tones

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

Creating a Tone

Find the Feature > **Ring Styles** > **My Tones** > [**New Tone**]

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

Entering Notes

Press ◎ up or down to cycle through notes and select the note you want.

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Press the keypad keys to set not length, enter rests, and enter or edit note information. If necessary, press a keypad key multiple times to cycle through its available options.

Tip: Press > **Play All** at any time to play the notes you have entered.

Basic notes: c d e f g a b **Sharp Notes:** #c #d #f #g #a

Your phone identifies each note by **octave** (***0** through ***8**), **note** (**a** through **g**, with shart notes preceded by **#**), and note **length** (**0** through **5**). For example, a C# quarter note in octave 4 displays at ***4#c2**.

Each note must contain the following information, in the following sequence: **octave**, **note**, **length**, and length **modifier** (optional).

Octave

Enter ***** before a number to identify it as an octave value. Octave information (***0** to ***8**) must come **before** the note. If you do not specify an octave, the note is played as an octave 4 note.

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

Note: Octaves **3** through **5** cover the full range of notes currently available on your phone. The notes are duplicated in octaves **0-2** and **6-8**.

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Notes and Rests

To make a note sharp or flat, enter the sharp or flat character (**#** or **&**) **before** the note.

You can enter 1 or more rest characters (**r**) in the note sequence. Set rest length the same way you set note length.

Length and Modifiers

Set the length (**0** to **5**) **after** a note or rest. If you do not specify a length, a quarter note length (**2**) is added to the note. If needed, you can enter an optional length modifier (. or : or ;) **after** the length character.

Note Table

Key	Display	Description
1	**1**	1/2 note, as in ***4c1**
	.	dotted note, as in ***4c.** which is 1 and 1/2 counts
	:	double dotted note, as in ***1a:** which is 1 and 3/4 counts
	;	2/3 length note, as in ***1a;** which is 2/3 of a count
2 ABC	**a**	A note
	b	B note
	c	C note
	2	1/2 note, as in ***4c2**

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Key	Display	Description
3 DEF	d	D note
	e	E note
	f	F note
	3	1/8 note, as in *4c3
4 GHI	g	G note
	4	1/16 note, as in *1c4
5 JKL	5	1/32 note, as in *4c5
6 MNO	6	sets octave six, as in *6
7 PQRS	r	inserts a rest (you can add length modifiers, such as r1)
	7	sets octave seven, as in *7
8 TUV	8	sets octave eight, as in *8
0 OPR	0	whole note, as in *4c0
	*	sets an octave when followed by 0-8, as in *4c for a C note in octave four
	#	sharp note, as in *4#c
	£	flat note, as in *4£d
◎	move cursor left or right	

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Example

To create a simple tone, enter notes by pressing ◎ up and down, and enter rests by pressing 7 PQRS.

For example:

Press	To	Display
1 ◎	scroll up to ***4c**, then wait for the highlight to disappear	***4c**
2 ◎	scroll up to ***4d** The phone adds a **2** after each note, to indicate it is a half note.	***4c2*4d**
3 ◎	scroll up to ***4e**	***4c2*4d2*4e**
4 7	enter a rest	***4c2*4d2*4e2r**
5 ◎	scroll down to ***4c**	***4c*4d*4er2*4c**
6 ⊟ > **Play All**	play the tone	

Editing a Tone

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

Find the Feature ⊟ > **Ring Styles** > **My Tones**

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Press	To
1 ◎	scroll to the tone
2 **EDIT** (⊙)	open the tone details
3 ◎	scroll to **Name** or **Notes**
4 **CHANGE** (⊙)	select the details to edit
5 ◎ **or** keypad keys	enter new text or notes
6 **OK** (⊙)	store the details

Deleting a Tone

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

Find the Feature ⊡ > **Ring Styles** > **My Tones**

Press	To
1 ◎	scroll to the tone
2 ⊡	open the **My Tones Menu**
3 ◎	scroll to **Delete**
4 **SELECT** (⊙)	select **Delete**
5 **YES** (⊙)	confirm the deletion

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Phone Features

Menu Map

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Main Menu

- **Phonebook**
- **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
- **Messages**
  - Voicemail
  - Create Message
  - Inbox
  - Outbox
  - Quick Notes
  - Drafts
  - Browser Alerts
- **Radio ***
- **Get It Now**
  - Get It Now Shop
- **Browser**
- **Settings**
  - (see next page)
- **Ring Styles**
  - Style
  - StyleDetail
  - My Tones
- **Picture Viewer**
- **Shortcuts**
- **Calculator**
- **Datebook**
- **Voice Record**

* This is the standard phone menu layout. Menu organization and feature names may vary on your phone. Not all features may be available for all users.

For example, the **Radio** feature (left) is available only when the optional FM Stereo Radio Headset accessory is plugged into your phone.

Settings Menu

- **Ring Styles**
  - Style
  - Style Detail
  - My Tones
- **Phone Status**
  - My Tel. Number
  - Active Line
  - Battery Meter
  - Other Information
- **Browser Setup**
- **Connection**
  - Incoming Call
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
- **Security**
  - Phone Lock
  - Lock Application
  - Restrict Calls
  - New Passwords
- **Location**
- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Greeting
    - Screen Saver
    - Banner
  - Initial Setup
    - Time and Date
    - SpeakerPhone
    - Auto PIN Dial
    - Auto Redial
    - Backlight
    - Status Light
    - Zoom
    - TTY Setup
    - Scroll
    - Animation
    - Language
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
    - Current Network
    - Analog Only
    - Set Mode
    - Srvc Status
    - Service Tone
    - Call Drop Tone
  - Car Settings
    - Auto Answer
    - Auto Hands-Free
    - Power-Off Delay
    - Charger Time
  - Headset
    - Auto Answer

DRAFT

Feature Quick Reference

Feature	Description

We'll get the features and descriptions in afte we narrow down the basic ones.

DRAFT

Troubleshooting

Check these questions first if you have problems with your phone. If you need additional help, contact the Motorola Customer Call Center at 1-800-331-6456 (United States) or 1-800-461-4575 (Canada).

Question	Answer
Is your phone set up correctly?	Press . If you do not see your phone number, contact Verizon Wireless.
Is your battery charged? Do you see in the display?	The battery level indicator should have at least one segment showing ( ). If it does not, recharge your battery, see page 18.
Does the handset have a signal? Do you see in the display?	The signal strength indicator should have at least one segment showing ( ). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the upper volume button on the side of your phone.

DRAFT

Question	Answer
Is the other party unable to hear you?	Make sure that your phone is not muted. Press **UNMUTE** (⊙) if necessary to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.
Has the phone been damaged, dropped, or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery or battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery or battery charger used?	

The following refer to Push to Talk specific problems:

DRAFT

Question	Answer
Does your battery life seems shorter than for normal phone calls?	The Push to Talk feature allows you to stay connected constantly, so the phone requires frequent interaction with the network. Therefore, your phone uses more battery power compared to non-Push to Talk phones.
Do you seem to miss more phone calls than you used to?	When you are on an active Push to Talk call, your incoming calls are automatically forwarded to voicemail.
Is part of your message lost while you are on a Push to Talk call?	Be sure to wait for the OK to Talk tone before talking. Be sure **Talking to...** displays before talking. Be sure to keep holding down ⊜ while you talk.

DRAFT

Question	Answer
The 1X on the screen sometimes changes from 1X to 1X. What does it mean?	When 1X displays, your phone is connected to the Push to Talk server. When 1X displays, your phone is not connected to the server. Wait a few minutes for your phone to reconnect to the Push to Talk server. Turn off the phone, then back on again to reconnect immediately.
How come I can not access and view my **PTT Contacts** list.	Is 1X displayed on the screen? You must be in the 1X coverage area to access and view your **PTT Contacts** list.
How come I do not receive all missed call notices.	If you miss an Alert call, you are notified. If you miss a Barge call, you are not notified.
How come I can not enter a Push to Talk number from the keypad.	Make sure your phone is not locked, see page 174.

DRAFT

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (or the company that sends you your monthly wireless service bill).
I forgot my password.	See page 174.
I pressed the power key, but nothing happened.	Be sure to press and hold (the power key) until the display appears and you hear an alert. This could take several seconds. If nothing happens, check that a charged battery is installed, see page 17.
The display says: **Enter Unlock Code**. How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last four digits of your phone number. If this fails, call your service provider (or the company that sends you your monthly wireless service bill).
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you do not know the unlock code, see page 173.

DRAFT

Problem	Solution
My phone does not ring.	If you see or in the display, then the ringer is turned off, see page 128. Also, the ringer may be set to **Silent** even though your phone is set to an audible ring style. See page 128.
My phone rings even though I selected the **Silent** (or **Vibrate**) ring style.	The ringer may be set to play a tone even though your phone is set to a silent ring style, see page 128.
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display says **Ready** before making a call.

DRAFT

Problem	Solution
I cannot send/ receive calls.	Make sure that you have a phone signal (see the “Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls only when the 0 (no signal) indicator displays.” on page 23). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have the **Restrict Calls** feature turned on. If you know the unlock code, you can change this setting in the security menu (> **Settings** > **Security**).
My phone has poor reception and drops calls.	Make sure that your antenna is not bent or damaged. Also, make sure you have a phone signal (see the “Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls only when the 0 (no signal) indicator displays.” on page 23). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.

DRAFT

Problem	Solution
I cannot hear others on my phone.	While on a call, press the upper volume key. The display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my message inbox.	Before you can use text messages, you must set up the message inbox, see page 116.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received: > **Recent Calls** > **Received Calls** or **Dialed Calls**
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be **Long**, **Short**, or **Off**. If you have trouble sending numbers, try changing the DTMF setting. **1** 1 From the idle display, press: > **Settings** > **Other Settings** > **Initial Setup** > **DTMF** **2** 2 Press to scroll to **Long** or **Short** (some analog networks may not recognize short tones). **3** 3Press **SELECT** ( ) to select it.

DRAFT

Problem	Solution
My phone's display is too dark.	Use the **Contrast** feature to change the level of contrast in your display. See page 84. You can also use the **Backlight** feature to change the length of time that the display backlight stays on. See page 83.
My battery didn't last as long as I expected. What can I do to extend battery life	Your battery's performance is affected by charge time, feature use, temperature changes, backlight use, and other factors. For tips on extending your battery life, see page 28.
I am unable to record a voice note, voice name, or voice shortcut.	Try moving to a quieter location to make your voice recording. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.
My TTY device doesn't work with my phone.	Your phone must be set to a TTY mode for the phone to detect your TTY device. See page 160.

DRAFT

Problem	Solution
I plugged the data cable into my phone but my phone did not beep. How do I know if the data cable is ready to go?	The beep indicates that you are set up correctly. If you did not hear a beep, make sure that both ends of the data cable are connected—the smaller end to your phone and the larger end to your computer. Also, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a fax or dial-up application, to automatically activate the port.
My phone beeped when I attached the data cable, but my data and fax applications don't work.	You must be in an area with digital coverage. Check your phone's display for the digital signal indicator (▣). Some wireless networks may not support data or fax transmission. If you see the digital indicator, but you are roaming on an unfamiliar network, this may be the case. Also, remember that data and fax transmission usually requires a subscription. Call your service provider for more information.

DRAFT

Problem	Solution
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone. The rate of data transfer between your phone and the network is displayed on your phone and can be up to 153 kbps.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing on your phone. Or try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer, as these alternative methods may disrupt the application on your computer.

DRAFT

Problem	Solution
I launched the micro-browser but the display says: **Service Not Available**.	You may be in an area without service. If you have wireless service, look in the display for the digital signal indicator (▣). If you do not see the indicator, you may be in an area that has only analog service or no service at all. If you see the digital signal indicator, you may be connected to a digital network that does not support Internet access.
I launched the micro-browser but the display says: **Data Server Unavailable**.	Try again in a few minutes. The servers may be temporarily busy.

DRAFT

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

DRAFT

value for this model phone when tested for use at the ear is 1.52 W/kg, and when worn on the body, as described in this user guide, is 0.77 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://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.

DRAFT

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known—and what remains unknown—about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones

DRAFT

are of concern because of the short distance between the phone's antenna—the primary source of the RF—and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously—up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1 In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use.

Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.[1]

2 Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells

DRAFT

called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus, follow-up research is necessary.[2]

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

1. Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only

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change noted among more than 20 variables compared.[3]

2 In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used.

Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.[4]

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it

DRAFT

would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

What is FDA's role concerning the safety of mobile phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- support needed research into possible biological effects of RF of the type emitted by mobile phones
- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function
- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health

DRAFT

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle

DRAFT

- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package
- a headset with a remote antenna to a mobile phone carried at the waist

Again, the scientific data do not demonstrate that mobile phones are harmful. But if people are concerned about the radio frequency energy from these products, taking the simple precautions outlined above can reduce any possible risk.

Where can I find additional information?

For additional information, see the following Web sites:

Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):

`http://www.fcc.gov/oet/rfsafety`

World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): `http://www.who.int/emf`

United Kingdom, National Radiological Protection Board: `http://www.nrpb.org.uk`

Cellular Telecommunications Industry Association (CTIA): `http://www.wow-com.com`

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health:

`http://www.fda.gov/cdrh/consumer/`

1. Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium;1999 June 20; Long Beach, California.
2. Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999,

DRAFT

Washington, D.C.; and personal communication, unpublished results.
3. Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.
4. Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. Int. J. Oncol., 15: 113-116, 1999.

DRAFT

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, 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:

DRAFT

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.

DRAFT

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

DRAFT

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

DRAFT

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 **Two-Way Radios** 1-800-353-2729 **Pagers** 1-800-548-9954
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

DRAFT

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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.

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Product Registration

Online Product Registration: `http://www.motorola.com/warranty`

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.

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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.

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RF Energy Interference

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.

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Wireless Phone Safety Tips

"Safety is your most important call!"

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

1. **Get to know your Motorola wireless phone 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.
2. **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.

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3 **Position your wireless phone within easy reach.** Be able to access your wireless phone 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.

4 **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.

5 **If you receive an incoming call at an inconvenient time 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.

6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7 **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 which have the potential to divert your attention away from the road.

8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*

9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in

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progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*

10 **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.

Check the laws and regulations on the use of wireless telephones 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.

For more information, please call 1-888-901-SAFE or visit the CTIA Web site at www.wow-com.com™

Safety– Your most important call

Motorola Reminds You To Use Your Phone Safely When Driving

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