

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT56AD1

**INSTRUCTION MANUAL**

A preliminary draft copy of the Users Manual follows:

# Phoenix Wireless Telephone


## User Guide


Draft for FCC Type Approval


March 10, 2000

## ***Welcome***

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Welcome to the world of Motorola digital wireless communications from a global leader in communications technology! We are pleased you have chosen the Motorola  wireless phone to keep you connected with ease.

All Motorola phones are designed and manufactured to meet Motorola's rigorous specifications and world-class quality standards. During development, our testing team took the Motorola  phone through rigorous durability tests including temperature, humidity, shock, dust, vibration, and drop tests—and the phone still worked!

We are confident that you and your callers will find your wireless phone to be a convenient and reliable way to stay in touch. Thank you for choosing a Motorola  product and enjoy your new phone!

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## ***Safety Information***

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**Important:** Read this information before using your wireless handheld phone.

### ***Exposure to Radio Frequency Signals***

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, The Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards). For additional information concerning exposure to radio frequency signals, see the statement by the FDA at the end of this user guide.

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Motorola-supplied or approved carrying case, holster, or other body-worn accessory.

If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5 centimeters) from your body when transmitting. Use of non-Motorola accessories may violate FCC RF exposure guidelines.

### ***Antenna Care***

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

### ***Phone Operation***

#### ***Normal Operation***

Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

#### ***Tips on Efficient Operation***

Observe the following guidelines to operate your phone most efficiently.

- Extend your antenna fully, if applicable.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call

quality and may cause the phone to operate at a higher power level than otherwise needed.

### ***Batteries***

**Caution:** All batteries can cause property damage, injury, or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse, or other container with metal objects. When the battery is detached from the phone, your batteries are packed with a protective battery cover; please use this cover for storing your batteries when not in use.

### ***Driving***

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Observe the following guidelines when using your phone while driving.

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

### ***Electronic Devices***

Most modern electronic equipment is shielded from RF signals. However, certain equipment may not be shielded against the RF signals from your wireless phone.

### ***Pacemakers***

The Health Industry Manufacturers Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON
- should not carry the phone in a breast pocket
- should use the ear opposite the pacemaker to minimize the potential for interference
- should turn the phone OFF 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 external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### ***Vehicles***

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

### ***Posted Facilities***

Turn your phone OFF in any facility where posted notices so require.

### ***Aircraft***

Switch OFF your phone before boarding an aircraft. Airline regulations prohibit using your phone while in the air. Check and comply with the policy of your airline regarding the use of your phone while the aircraft is on the ground.

### ***Blasting Areas***

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

### ***Potentially Explosive Atmospheres***

Turn your phone OFF, do not remove your battery when you are in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks from your



battery in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include: fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where fuel odors are present (for example, if a gas/propane leak occurs in a car or home); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you normally would be advised to turn off your vehicle engine.

### ***For Vehicles Equipped with an Air Bag***

An air bag inflates with great force. Do NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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## Overview

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### **Package Content Options**

Your digital wireless phone typically comes equipped with a charger and at least one battery. A large selection of accessory options can customize your wireless package for maximum performance and portability. Below is a sampling of the different package options.

**Note:** Your phone and accessories may not look exactly as pictured.



Motorola Telephone

Illustration  
to come

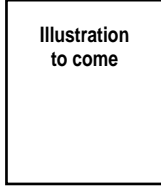
Lithium Polymer Battery

Illustration  
to come

Headset



Desktop Charger  
(AC Adapter required)



Holster



Desktop Charger  
(AC Adapter required)

## Phone Diagram



## **Phone Overview**

See “Phone Diagram” on page 18 for an illustration of the components described below.

**Earpiece**—Ultra-compact phone speaker.

**Headset Jack**—Connects an optional headset.

**Power/Status Indicator**—Provides status information on the current type of service and message status.

**Signal Strength Indicator**—Indicates the strength of your phone's connection with the local wireless system.

**Volume Keys**—The upper and lower volume keys can adjust keypad, earpiece, and ringer volume. .

**Smart Key**—Use the Smart key to recall information from memory, place and end calls, select menu features, and toggle features on and off. The symbol in your display represents the Smart key.

**Voice Key**—Use the voice key to record a VoiceNote memo or to record a voice name for a phonebook entry.

**Icon Indicators**—Displays various indicators such as digital, in use, in building, no service, message waiting, and voice message waiting indicators.










**Battery Level Indicator**—Show the amount of charge remaining in your battery.

**VibraCall<sup>®</sup> Alert Indicator**—Indicates the on/off status of the ringer and VibraCall alert.

**Microphone**—Positioned for convenient conversation.

**Accessory Connector Port**—Provides the connections for an external power supply and vehicular and optional accessories.




## Special Keys




	The <b>power key</b> turns the phone on and off
	The <b>send key</b> places or answers calls
	The <b>end key</b> ends phone calls
	The <b>menu key</b> enters the menu system
	The <b>scroll key</b> scrolls through memory entries and menu features, and moves the cursor when entering names or messages
 and 	The soft keys perform context-sensitive functions as indicated by prompts in the bottom line of the display. The  ( <b>left soft key</b> ) usually returns to a previous menu or exits the menu system. The  ( <b>right soft key</b> ) usually selects an item or confirms an action.

## Understanding the Guide

### Key Presses

Key presses are represented in this guide using symbols so that you may locate and use the required sequence quickly. A sequence of key presses may be shown as follows:

This means you should press  followed by  and then , in sequence, not simultaneously.

### ***Prompts and Messages***

Your phone responds to key presses by displaying either a prompt that guides you to the next action or a message confirming that your action is complete. Prompts and messages are represented in this guide in LCD style, for example: **Reset Timer**.

### ***Shortcuts and Tips***

In the margins of your guide are shortcuts and useful tips to improve your phone's performance.

## **Batteries**

---

Your digital phone uses Lithium Polymer batteries. In this chapter, you will learn how to:

- store and dispose of batteries
- remove and attach the cover to the battery
- install and remove batteries
- interpret battery talk time and standby time
- charge batteries using the internal charger and the desktop charger

### ***Storing and Disposing of Batteries***

To prolong the life of your batteries, do not expose them to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your car.

To dispose of batteries, check with your local recycling center for a battery recycler near you. Never dispose of batteries in a fire.

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



## ***Removing and Attaching Battery Covers***

Your phone's battery is shipped in an uncharged state and fitted with a protective cover. Before you can use your phone, you will need to remove the cover and charge the battery. The cover prevents metal objects from contacting the battery terminals, thereby reducing the risk of injury or damage from a battery short circuit.

### ***Removing the Battery Cover***

- |                         |  |
|-------------------------|--|
| <b>Press<br/>tab</b>    | 1. Hold one end of the battery cover in one hand. Press down on the tab at the opposite end of the cover with your other hand. |
| <b>Remove<br/>cover</b> | 2. Rotate the cover away from the battery.   |

**Illustration  
to come**

### ***Attaching the Battery Cover***

- |                        |   |
|------------------------|---|
| <b>Insert<br/>side</b> | 1. Insert one end of the battery into the cover, so that the battery fits the notches on the cover. |
|------------------------|---|

**Click  
latch**

2. Push down the other side of the battery until it clicks into place.

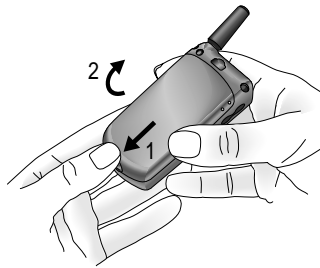
**Illustration  
to come**

## ***Installing and Removing Batteries***

### ***Installing the Battery***

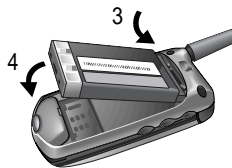
#### **Remove cover**

1. Use your thumb to slide the release latch toward the base of the phone.
2. With your other hand, rotate the cover away from the phone.



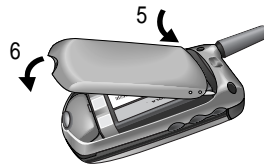
#### **Insert battery**

3. Insert the battery, printed arrows first, into the top edge of the battery compartment.
4. Push down the bottom edge of the battery until it snaps into place.




**Replace cover**

5. Insert the tabs of the battery cover into the top edge of the battery compartment.
6. Rotate the battery cover down until it snaps into place.



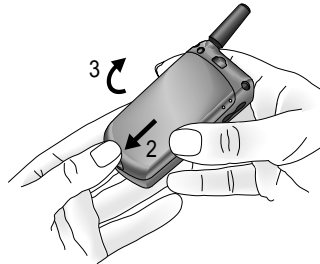
**Removing the Battery**

**Turn off phone**

1. Press  to turn off your phone.

**Remove cover**

2. Use your thumb to slide the release latch toward the base of the phone.
3. With your other hand, rotate the cover away from the phone.



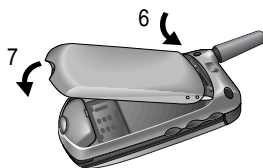
**Remove battery**

4. Push the battery toward the top of the phone until the bottom edge comes clear.
5. Rotate the bottom edge of the battery up and lift the battery from the phone.



**Replace cover**

6. Insert the tabs of the battery cover into the top edge of the battery compartment.
7. Rotate the battery cover down until it snaps into place.



**Battery Talk Time and Standby Time**

*Talk time* refers to the time you can talk on your phone before the battery is fully discharged. *Standby time* is the time that your phone is on but not used for talking.



Empty




Low



Medium



High

**Tip:** *If you talk on the phone while charging your battery, charging takes more time. To place the phone in charger-only mode, turn off the phone by pressing  once.*


#### Notes:

- Talking on the phone uses more power than leaving it idle. The more power you use for talking, the less you will have for standby time, and vice versa.
- Talk time and standby time can vary, depending on the battery used, network configuration, signal strength, and the features selected.

## Charging Batteries

### Using the Internal Charger

Your phone has a built-in battery charger. Using either the AC or vehicle power adapter, you can plug the handset directly into a power source to charge any attached batteries.

You can still place and answer calls while using the internal charger. To place the phone in charger-only mode, turn off the phone by pressing  once.

To charge:

#### **Attach adapter to phone**

1. Plug the AC adapter or vehicle power adapter into the accessory connector on the bottom of your phone as shown, with the release tab facing up.

**Illustration  
to come**

**Plug in  
adapter**

2. Plug the power adapter into an AC electrical outlet.

**or**

Plug the vehicle power adapter into the cigarette lighter opening in the vehicle.

**Note:** In some cars, the ignition must be on to use the vehicle's accessory power.

In both cases, a beep tone sounds, and the battery icon flashes.

***Using the Desktop Charger***

You can use the desktop charger to charge batteries while they are attached to your phone, or you can charge a battery separately.

To charge:

**Attach  
adapter  
to  
charger**

1. Plug the AC adapter into the back of the charger, with the release tab facing up.

**Illustration  
to come**

- |  |   |
|--|---|
| <b>Plug in<br/>adapter</b>                     | 2. Plug the power adapter into an AC electrical outlet.   |
| <b>Insert<br/>phone<br/>and/or<br/>battery</b> | 3. With battery attached, place the phone into the charger's front pocket.<br>Optionally, place an additional battery into the charger's back pocket. |

**Note:** When the phone is charging, the battery level indicator flashes. When the battery is fully charged, the indicator stops flashing. If your phone cannot charge the battery, this indicator does not appear.

***Desktop Charger Indicator Lights***

The front LED light for charging a battery attached to the phone in the charger's front pocket is:

<i>Yellow</i>	The phone is inserted. Check phone for battery charge status.
---------------	---

The rear LED lights for charging a battery in the rear pocket are:

<i>Red</i>	The battery is rapid charging.
<i>Flashing yellow</i>	The battery is waiting for its charge.



<i>Green</i>	The battery is charged over 90% of its capacity and can be used. Another hour of charging will bring it up to 100% capacity.
<i>Flashing red</i>	Either the battery or the power supply is damaged and cannot be charged.

### ***Battery Charging Tips***

To ensure that you enjoy maximum battery life and use your battery to its fullest capacity:

- Always use Motorola approved battery chargers.
- For the best results, charge Lithium Polymer batteries using the E•P<sup>®</sup> Desktop Charger or your phone's internal charger.
- The battery should be at or near room temperature when charging.
- New batteries or batteries that have been stored for long periods of time may not rapid charge properly. In these instances, the battery requires an overnight charge.
- 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.

## **Expert Performance E•P® Charging System**

The Expert Performance E•P® Charging System enables your phone's built-in charger to communicate with installed batteries and tailor its charging cycle to optimize performance. If you see **Invalid Battery** when you power up the phone, the built-in charger is not able to communicate with the battery and cannot charge it. There are several possible reasons for this message. The most likely one is that the battery is not a Motorola original, and it does not have the appropriate E•P® technology.

We recommend that you use only Motorola original batteries and accessories and that you store your batteries in their protective covers when not in use.

## ***Phone Basics***


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This chapter introduces you to the basic features of your new phone. It describes how to:

- turn the phone on and off
- activate your phone
- read the displays
- read the status line indicators
- store the phone in its holster
- view the phone number
- place a call
- end a call
- redial a number
- receive a call
- control the volume
- use the smart button

### ***Turning the Phone On and Off***

To turn the phone on and off:

**On** Press the  button.


**Off** Press the  power button again.

## ***Activating the Phone***

The first time you turn on your phone, you may see one of the following messages: **Press to Activate** or **Activation required**.

If you do not see one of these displays, your phone was activated at the time of purchase, and you may skip the steps below.

If you do see one of the activation messages, complete the activation procedure as follows:

- Place Call**
1. Press  to place the call.  
or  
Press and hold the smart key on the left side of your phone until you hear a high tone.  
Once the connection is made, activation begins.
- Help?**
2. If necessary, contact your service provider for further assistance.

## ***Power-Up Display***

When you turn on the phone, it plays a single power-up tone and displays an animated Motorola wake-up greeting for two seconds.



Afterwards, the phone displays a customer wake-up greeting for two seconds.

**Safety: Your  
Most Important  
Call**

If the phone detects an invalid battery, it displays the following message for two seconds:

**Invalid Battery**



Next, the phone scans the area for a network signal and displays the message: **Searching for Network**. If the phone does not find an appropriate network, it displays the message **Registering** every two seconds until a network is found.

When the phone has completed its power up sequence and is ready to use, it displays the **Ready** message.

### ***Number Display***

Your phone can be activated with two unique phone numbers. If more than one number is programmed, the phone displays the active number whenever it is turned on. To change the active number, see "Changing the Current Phone Line" on page XX.

### ***Power Saver Mode***

If you travel outside the range of available networks, your phone continues to search for a signal. To save power, it

stops searching every few minutes and displays a **Power Save** message. Your phone begins searching again in a minute or two. Press any key to immediately resume searching.

### ***Standby Mode***

Your phone may turn off the backlight to save power when in standby mode. The backlight comes back on whenever you press a key.

### ***The External Display***

Add information on viewing the external display to find out information on caller id, voice mail, time and date, call forwarding status, and alert status.

### ***The Indicators***

#### ***Signal Strength (1)***



Strong



Weak

The Signal Strength indicator is one of the status icons at the top of the display. It shows the strength of your phone's connection with the local wireless system.

A strong signal increases your ability to place and receive calls. Weak signal strength can occur at the edge of a wireless service area or in buildings, tunnels, and during bad weather. Weak signal strength can interfere with or block your ability to place and to receive calls and can affect your reception.

### **Battery Level Indicator (2)**

The Battery Level indicator at the top of the display shows the amount of charge left in your battery. The more segments visible, the greater the charge.

When the battery level is low and only a few minutes of talk time remain, your phone signals you in three ways:

- **Low Battery** appears in the first line of the display.
- No bar segments are highlighted.
- A short tone plays periodically.

### **Clock (3)**

Your phone displays the current time and date when it is on a digital network. You can set your clock for either 12 or 24 hour format.

### **Digital or Analog Indicator (4)**

The digital icon appears when you are receiving a digital signal. The analog icon appears if you receive an analog signal.

### **In Use Indicator (5)**

The In Use indicator appears when a call is in progress.

### **Roam Indicator (6)**

The roam indicator appears when your phone accesses a wireless system outside your home network. When you leave your wireless service area, your phone *roams* or seeks another service area.



Empty



Low



Medium



High

D

A





### **No Service Indicator (7)**

If you travel beyond the range of wireless service, the No Service indicator appears to let you know that you cannot place or receive a call.



### **Message Waiting Indicator (8)**

The Message Waiting indicator is displayed when the phone receives a text message. (This is an optional, network and subscription-dependent feature that is not available in all areas.)



### **Voice Message Waiting Indicator (9)**


The Voice Message Waiting indicator is displayed when your voicemail has received a message. (This is an optional, network and subscription-dependent feature that is not available in all areas.)


### **Alphanumeric Display (10)**

Text and number messages appear in the middle of the phone's display. Text and numbers show keypad input, information recalled from memory, and other messages.


### **Alert Indicators (11)**


Your phone displays the current selected alert. The default alert is a ringer.

 **Ringer on**—Your phone's ringer is turned on and vibrate alert is off.


 **Vibrate on**—Your vibrate alert is on and ringer is turned off.



 **Vibrate then ring**—Both ring and vibrate alerts are turned on.

 **Ring then vibrate**—Both ring and vibrate alerts are turned on.

 **Silent**—All of your phone's tones are silenced and the vibrate alert is turned on.  **Vibrate with all tones off**—Your vibrate alert is on.

 **All Alerts off**—Both vibrate and ring alerts are turned off.

## **Status Light**

You can check the status light on top of the phone for status information on your current type of service and message status. The messages can include voice mails and messages, or the receipt of recent calls. (This is an optional, network and subscription-dependent feature that is not available in all areas.)

The status light changes color and flashes or remains on to indicate different states. Status lights are as follows:

alternating red and green	incoming call or message
flashing green	In Service, home-type system
slow flashing yellow	no service
fast flashing yellow	roaming, non-home type system

## ***Storing the Phone in its Holster***




To slip your phone into its holster, make sure the battery is facing the outside of the holster. Then clip the holster onto a belt, purse or briefcase.

The holster has been designed for your convenience and is not meant to secure your phone under all circumstances.

## ***Viewing the Phone Number***


### ***Placing a Call***

To place a call:

- Turn on**
1. Press and hold  until the display appears and you hear an audible alert.
- Enter number**
2. Enter the number you want to call, for example: 555-1212.
    - Press  to erase one digit at a time if you make a mistake.
    - Press and hold  to clear the entire entry.

You can also recall a previously dialed or stored number. See "Using Phone Memory" for details on storing or recalling numbers.

**Place call**

1. Press  to place the call.

or

Press and hold the smart key on the left side of the phone until you hear a high tone.

The phone sounds a single-tone alert (if the keypad tones are turned on) and displays **Dialing 555-1212**.

2. You can dial phone numbers with up to 32 digits, but only the last 24 digits appear in the display.

## ***Ending a Call***

To end a call:

- Press 

or

- Press and hold the smart key until you hear a second tone. The display reads **\*smart key\* To End Call**. Press **\*smart key\*** again to end the call.

## ***Redialing a Number***


### ***Automatic Redial***

You may not be able to complete a call if the wireless system is busy. When this happens, the system transmits a fast busy signal, and the phone displays one of the following messages :



**Call Failed. Press  to redial.**

With Automatic Redial, your phone repeats the call attempt over the next four minutes. When the call goes through, your phone rings or vibrates until the other party answers.

To activate Automatic Redial:






**Auto Redial** To redial the busy number, press   
or  
Press and hold the smart key.  
In either case, **Calling** is displayed.



If you hear an ordinary busy signal, the phone number you dialed is busy.

**Hang Up** 1. Press  to hang up.  
**Redial** 2. Press the smart key or  to redial the busy number. **Dialing 5551234** is displayed.

### **Recent Calls**


Your phone keeps track of the last ten numbers that you have dialed. You can display this list and select a number to call.

**Display** 1. Press . Press  to scroll down to **Recent Calls**. Press .  
2. Scroll down and select either **Received Calls** or **Dialed Calls**. Press .  
3. Review the list and select a phone number. Press .

- Review** 4. Press  to scroll through the last calls. The display includes the time, date and phone number.
- Call** 5. Press  or press and hold \*smart key\* to call the number in your display. The **Calling** message is displayed.

## ***Receiving a Call***

### ***Answering a Call***



Your phone must be turned on to receive calls. When the phone rings or vibrates, press  to answer the call.


### ***Unanswered Call Indicator***


When you cannot answer a call, your phone keeps a record and a count of your unanswered calls and displays a message like :

2 Missed Calls  
1 Unknown Call

To view and place missed calls:

- View list** 1. Press .
- The received calls list is displayed.
2. Press  to scroll through the list. Select any call that you wish to return.

- Place call**      3. Press .
- The number is dialed and the call processed for you.

To clear the display, press .

### ***Caller ID***


Caller ID is an optional feature that allows you to see who is calling before you answer. Contact your service provider for information about availability.

- If the caller's name is recorded in your phone book, the name is displayed.
- If the name is not in your phone book, the caller's phone number is displayed.

If you prefer to always see the caller's phone number, see "Turn Number Preference On." Your phone stores IDs for the last sixteen callers. See xxx to learn how to review the stored Caller ID list.

### ***Canceling the Ring or Vibrate Alert***

Press either of the volume keys while the phone is ringing to cancel the ring or vibrate alert.


The ringer or vibrator remains off while the current call lasts. The caller still hears ringing, and you can still answer the call by pressing .

### ***Call Waiting***


Call Waiting is an optional service available through many service providers. If you subscribe to call waiting, you may


hear a tone while you are on a call. This tone indicates that you have received a second call.

To answer the second call:

**Answer** 1. Press  to answer the new call and place the first call on hold.



or


**End and Answer** 1. Press  to end the current call. Your phone then rings or vibrates to signal the new call.

2. Press  to answer the new call.

## ***Using the Keypad to Enter Text***

When you want to add names to your phonebook or send text messages, you can use your phone's keypad to enter letters and other characters.

Each number key represents several letters, which you can cycle through by pressing the key repeatedly. For instance,  represents a, b, c, and 2. Press  once to enter the character a, twice to enter the character b, and three times to enter c. Follow these steps:

**Press key once** 1. When you press  once, the letter a appears with a flashing block cursor highlighting the letter.

**Continue pressing keys**

2. As long as the block cursor highlights the letter, press **2 ABC** a second time to see the **b**, a third time to see the **c**, a fourth time to see the **2**, a fifth time to see the **a** again, and so on.

**Toggle case**

3. Press **Shift** to toggle between upper or lower case characters.

**Enter character**

4. When the block cursor highlights your selected character, wait for two seconds.




The block cursor disappears, and a thin I-beam cursor appears next to the letter.

5. Enter the next character.






The following table shows you what letters each key represents, and how many times you have to press the key for each letter:

Key	Number of key presses									
	1	2	3	4	5	6	7	8	9	10
<b>0 +</b>	+	-	0	x	*	/	=	>	<	# (repeat)
<b>1</b>	.	1	?	!	,	@	&	:	;	" - ( ) '
<b>2 ABC</b>	a	b	c	(repeat)						
<b>3 DEF</b>	d	e	f	(repeat)						
<b>4 GHI</b>	g	h	i	(repeat)						
<b>5 JKL</b>	j	k	l	(repeat)						
<b>6 MNOP</b>	m	n	o	(repeat)						



	q	r	s	7	(repeat)
	t	u	v	8	(repeat)
	w	x	y	z	9 (repeat)

The following table explains the roles other keys play while you enter text.

Key	Explanation
	Moves the I-beam cursor one character to the left. If the cursor is a block cursor, it changes to an I-beam cursor.
	Moves the I-beam cursor one character to the right. If the cursor is a block cursor, it changes to an I-beam cursor.
	Moves the I-beam cursor up or down one line in the message. If the cursor is a block cursor, the scroll buttons change the case of the highlighted character.
	<p> Cancels the message field and returns you to the text message form <i>before</i> you enter any characters</p> <p> Deletes the character to the left of the cursor <i>after</i> you have entered a character.</p>
	<p> Takes you to the QuickNote menu, which lets you select from a list of pre-written messages, <i>before</i> you enter any characters. See “Sending a Message With a QuickNote” on page 113.</p> <p> Accepts the message and returns to the text message form <i>after</i> you have entered a character.</p>

## ***Controlling the Volume***

Use the upper and lower volume keys to adjust earpiece, keypad, and ringer volume. When you press these keys, the phone's speaker demonstrates the current volume level.

This audio feedback is called *keypad tones*. For more advanced volume settings, refer to "Ring and Vibrate Features."

### ***Earpiece Volume***

You can adjust the earpiece volume *only* during a call. Press the up volume key to increase earpiece volume. Press the down volume key to decrease volume. A volume meter in the display indicates the volume level you have selected.

### ***Ringer Volume***

You can adjust the ringer volume when you are *not* on a call. Press the up volume key to increase ringer volume, and press the down volume key to decrease volume. A volume meter in the display indicates the volume level you have selected.

### ***Keypad Volume***

Refer to "Changing Keypad Volume" for details on adjusting the keypad volume.

## ***The Smart Button***

The smart button is the lower key on the left side of the phone—easy to feel, easy to find, and easy to use. Use the Smart Button to place and end calls, select menu items, select items in a display, toggle features on and off, and open your phonebook.

### ***Place and End Calls***

Use the smart button to place or to end a call as described in “Placing a Call” on page 40 and “Ending a Call” on page 41.

### ***Select Menu or Display Items***

When you access the menu system, you can press the smart button to select a menu or display item.

### ***Toggle Features On and Off***

Some of the phone’s features toggle on and off. Use the smart button to select the on or off setting of a feature.

### ***Open Your Phonebook***

Before you make a call, press the smart button to open your phonebook. Press **■** to scroll to the phone number you want, the press \*smart button\* again to place the call.

You can set up your smart button to open an application other than the phonebook. Refer to “Personalizing Phone Display Items.”

## ***The Menu System***

---

You can access many of the features in your phone through a menu system. This chapter provides a table of menu features and shows you how to navigate through the menus. It also introduces you to the menu elements, including lists, forms, and meters.

### ***Menu Features***

The menu is the gateway to accessing phone features. This section provides a list and description of the menu features.

<b>Menu Name</b>	<b>Features</b>	<b>Submenu Features</b>
<b>Recent Calls</b>	Received Calls Dial Calls Notepad Call Time Call Cost	
<b>Service Dial</b>	Service Dial Application	
<b>Fixed Dial</b>	Fixed Dial Application	
<b>Phonebook</b>	Phonebook Application	

<b>Datebook</b>	Datebook Application	
<b>Quick Dial</b>	Quick Dial Application	
<b>Radio</b>	Radio Application	
<b>Messages</b>	Message Application	
<b>SMS Interactive</b>	SMS Interactive Application	
<b>Shortcuts</b>	Shortcuts Application	
<b>VoiceNotes</b>	VoiceNotes Application	
<b>mymotorola.com</b>	mymotorola.com Application	
<b>SIM Apps</b>	SIM Application	
<b>Browser</b>	Browser Application	
<b>World Time</b>	World Time Application	
<b>Calculator</b>	Calculator Application	

<b>Settings</b>	Ring/Vibrate	Alert Detail
	Call Forward	Voice Calls Fax Calls Data Calls Cancel Status
	Phone Status	My Tel. No. Credit Available Credit Info PhoneLine 1/2 Signal Strength Battery Meter Other Information
	Connection	IRDA Link
	In Call Setup	In Call Timer Call Cost Setup My Caller ID Talk & Fax Answer Options Call Waiting

<b>Settings</b>	Security	Phone Lock Lock Keypad Lock Application Talk Secure Fixed Dial Restrict Calls Call Barring User Group SIM PIN New Passwords
	Other Settings	Personalize Initial Setup Network Car Settings Head-set

**Note:** Some features are optional network and subscription-dependent features that are not available in all areas. Contact your service provider for availability.

## ***Navigating Through the Menu***

provides a detailed example of how to navigate through the menu.

Navigate through the menu system as follows:





Press the **menu key** to enter the menu display.



The **soft keys** are the two unmarked keys at the top of your keypad.



Press the **scroll key** to move up or down through menu items.

When scrolling through menus, you can also use the keys  and .

## ***Menu Elements***

Menu elements include lists, forms, and meters.

### ***Lists***

Lists present menu items, such as tasks or data items that you can select. When you see a list, you can look at the entries and select an item.

#### ***List Title***

All lists begin with a title that identifies the information contained in the list.


#### ***Scrollbar***

If a list contains three or more entries, a scrollbar appears on the right side of the display. The scrollbar indicates that more items are included in the list than are currently displayed on the screen.



The scrollbar changes, depending on where you are in the list.

- If unseen items are above the list, the scrollbar contains an up arrow.
- If unseen items are below a list, the scrollbar contains a down arrow.

When you see a scrollbar, press  to move up or down through the list.




### **End of List Indicator**

Lists can also contain an *end of list* indicator, such as **New Entry**, that appears at the bottom of the list. You can often select the end of list indicator to add new entries to the list.

### **Soft Key Function**




The *soft keys* are the two unmarked keys at the top of your keypad. Their functions change, but their current function names always appear in the lower corners of the display. The last display line, just below a list, describes the function of the soft keys *as they relate to the list*.

Following is a common use of soft keys:

Key	Soft Function	Action
	M	activate a sub-menu
 (left)	Exit	return to a previous menu or exit the list
 (right)	Select	select an item or confirm an action

**Tip:** To move quickly through a list, press the letter or number key for the selection you want. The list moves automatically to your selection.

Some lists, like lists of messages, contain long text entries. In such cases, the soft keys provide navigation through the message as follows:

Key	Soft Function	Action
	BACK	return to earlier lines in the message
	MORE	ask for more text to go forward through a message
	NEXT	ask for the next message when you reach the last line of a message







)

## Forms

Forms allow you to add or change text or number characters to update information stored in your phone. They appear when you select a menu item to enter or change information, such as a Phonebook entry. You can update any part of the entry using the form. Refer to “Adding Names and Numbers” on page xxx to learn how to enter data.

### Begin



1. When you begin using a new or empty form, press  to CANCEL; press  to CHANGE.

- Enter letters** 2. When you enter character data, such as letters for a name, in an empty field, the flashing cursor appears on the right.
- Enter numbers** 3. When you enter numbers, such as for a phone number, the flashing cursor appears on the left.
- Use soft keys** 4. While you're entering data, navigate as follows:
- Press  to **DELETE**.
  - Press  to accept the data (**OK**).
- After you've entered data, the soft keys change:
- Press  to remove or **CLEAR** the data that is entered.
  - Press  to accept the data (**OK**).
- Add lines** 5. When you complete and accept a line of data, the form automatically advances to the next line. Continue entering information into the form.
- Finish** 6. When you have entered all the required information, the soft keys change again:
- Press  to accept the entry (**DONE**).
  - Press  to **CHANGE** the entry.

## **Meters**

Meters provide measurements stored in your phone, such as how much talk time is left in your battery or how strong the signal is from your wireless network. Meters also appear on the display when you need to see or change a volume.

You can display a meter by pressing a key. The meter only appears for a few seconds and then disappears.

You can also display a meter by going through a menu. In this case, press  to **EXIT**, and press  to dismiss (**CHANGE**) or edit the setting.

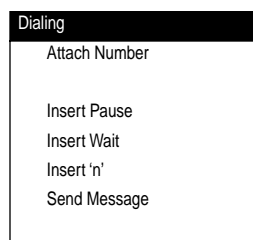
## ***Sending and Receiving Calls***

Your phone provides several dialing options, from dialing basic numbers to dialing stored numbers joined into a single string. You can also receive basic phone calls and calls with caller ID or call waiting.

In this chapter you will learn how to:

- dial numbers and special characters
- dial with Speed Dial and Turbo Dial®
- dial numbers from missed or recent calls, your phonebook, or a text message
- add or attach stored numbers
- dial emergency numbers
- receiving a basic call
- using call waiting
- receiving calls with caller ID


## **Menu Features**



## **Dialing Numbers and Characters**

The simplest way to dial a number is to enter the number from the idle state and then send it. This section describes how to dial numbers and enter special characters, such as pauses.

To dial a number from the idle state:

- Dial number**
1. Enter the phone number.
  2. Press .

The phone displays  
**Calling . . .**  
*(phone number)*.




## ***Inserting Pause, Wait, and 'n' Characters for Calling Cards***

You can insert the following types of characters, typically for calling card numbers:

<b>Pause character</b>	tells your phone to wait for a defined length of time before it dials the next digit in a series
<b>Wait character</b>	tells your phone to wait for an undefined length of time before it dials the next digit in a series
<b>'n' character</b>	tells your phone to stop and prompts you for a number before it continues dialing

To insert a pause, wait, or 'n' character in a number:



### **Insert character**

1. While dialing, press .
  2. Press  to scroll to **Insert Pause**, **Insert Wait**, or **Insert 'n'**.
  3. Press .
- The phone displays the special character: **p** for pause, **w** for wait, or **n** for 'n'.



## ***Inserting the International Dialing Prefix***

The international dialing prefix lets you call from any country without knowing its international access code.

### **Shortcut:**

While dialing, press and hold . The phone will cycle through **p**, **w**, and **n**. Release the  when you see the character you want.


To insert the international dialing prefix:

- Insert +** 1. Before dialing any digits, press and hold .
- The phone displays a +.
- Dial** 2. Enter the number and press .

### ***Dialing with Speed Dial***

You can dial numbers from your phonebook without viewing them first. Speed Dial lets you call any phonebook entry just by entering the two-digit index number.

To dial with Speed Dial:

- Dial number** Press the phonebook entry's index number, followed by the  key.
- The phone displays  
**Calling . . .**  
*(entry phone number).*
- To see the index numbers for your phonebook entries, refer to "Phonebook" on page XX.

### ***Dialing with Turbo Dial®***

You can dial some numbers from your phonebook with the press of a single key. Turbo Dial lets you call your first nine phonebook entries (one to nine) just by entering their single-digit index number.




To dial with Turbo Dial:

**Dial number** Press and hold the phonebook entry's index number for one second.

The phone displays  
**Calling . . .**  
*(entry phone number).*

To see the index numbers for your phonebook entries, refer to "Phonebook" on page XX.

**Note:** Pressing and holding  inserts the international dialing prefix.

## ***Dialing Numbers from Missed or Recent Calls***

Your phone saves a list of phone numbers from the calls that you recently dialed or received. You can view this list, or even select one of the numbers and instantly place a call.

### ***Dialing Missed Calls***

Your phone tells you when you have missed a calls by displaying **X Missed Calls**, where *X* is the number of missed calls.

**Note:** If your answering machine feature answers a call, it is not considered missed.

Your display may also tell you that a missed call is one of the following:



<b>Unknown</b>	the caller's name or number is not available
----------------	--


**Shortcut:**  
From the missed call dialog, Press and hold the smart key to dial the last missed call.

<b>Private</b>	the caller's name or number is intentionally blocked by the caller or the network
----------------	---

If the caller's number is not available, you cannot redial the call with this procedure.

To dial the number from a missed call:




- Dial the number**
1. Press the smart key. The phone displays the **Received Calls** list, with the most recent call selected.  
Press  to scroll to the number in the list that you want to call. Calls are listed from newest (10) to oldest (1).
  2. Press , or press and hold the smart key to dial the selected number.



**Note:** You can use  in place of the smart key in this procedure.

### ***Dialing Recent Calls***

You can view the last ten calls that you dialed or received by checking the lists under the Recent Calls menu.

To view or dial the number from a recent call:






- Find the feature**
1. Press  and navigate to the feature **Recent Calls**.
- Choose dialed / received**
2. Press  to scroll to either **Received Calls** or **Dialed Calls**.
  3. Press . The phone displays a list of the last ten calls.

- Dial the number**
4. Press  to scroll to the call you want to dial. Calls are listed from newest (10) to oldest (1).
  5. Press  to dial the number of the selected call.

## ***Dialing from the Phonebook***

You can dial the numbers in your phonebook either from the list view or the detail view.

To dial a number from your phonebook:

- Find the feature**
1. Press  and navigate to the feature **Phonebook**.  
The phone displays the phonebook's list view.
  2. If you want to see an entry's details, press  to scroll to the entry and press .
- Dial the number**
3. Press  to scroll to the entry you want to call.  
Icons next to the entries identify the entries for work, home, main, mobiles, faxes, or pagers.
  4. Press  to dial the entry's number.



## ***Dialing from a Text Message***

Phone numbers can be included in text messages. If you view a text message with an embedded phone number, you can call the number directly.


Your phone tells you when you have an incoming text message.


Before you open the inbox, you must set it up. See *Inbox Setup* on page XX. When you see this display, you can go directly to the text message and dial the embedded number, if there is one. Even if your phone is idle, you can open your inbox and dial the embedded numbers in old messages.

To view or dial a number from a text message:

- |                     |   |
|---------------------|---|
| <b>From new msg</b> | 1. Press  .   |
|                     | The phone displays the text message inbox.  |
|                     | or  |
| <b>From idle</b>    | Press  and navigate to the feature <b>Text Msgs.</b> |
|                     | The phone displays the text message inbox.  |

### **Use Call Back**


2. Press  to scroll to the message you want.



Messages are listed from newest to oldest (#1). You can press  to see the full message and the call back number.

3. Press .

The phone displays the Text Message Menu.

4. Press  to scroll to **Call Back**.

5. Press .

If a message has more than one embedded number with no preferred number, the phone displays a list of all the numbers. Press  to scroll to the number you want and press .

The phone displays  
**Calling...**  
(*phone number*).









## ***Adding or Attaching Numbers***

Sometimes you may want to dial a number from your phonebook or recent calls list with a special prefix or suffix.

If you want to use a prefix, you can enter it and then *attach* a number from your list. If you want to use a suffix, you can select the listed number and then *add* the suffix.

## ***Attaching Digits While Dialing***


This is an easy way to attach digits to the beginning of a number from your phonebook or recent calls list. To attach a number while dialing:

- |                      |  |
|----------------------|--|
| <b>Enter prefix</b>  | 1. Enter the prefix—the numbers that precede the number from your phonebook or recent calls list.  |
| <b>Select source</b> | 2. Press  .<br>3. Press  to scroll to <b>Attach Number</b> .<br>4. Press  .<br>The phone displays the attach menu, with options such as phonebook and dialed numbers.<br>5. Press  to scroll to the source of the number you want to attach.<br>6. Press  .<br>The phone displays the list of numbers from the source you selected. |
| <b>Attach number</b> | 7. Press  to scroll to the entry you want to attach.<br>8. Press  .<br>9. The phone displays your prefix plus the attached number. You can enter more numbers to add to the end, or press  to dial.   |


## ***Attaching Numbers from Your Phonebook or Recent Calls List***

You can attach two or more numbers stored in your phonebook or recent calls list. To attach numbers in your phonebook or recent calls list:





### **For Phonebook**

1. Press  and navigate to the feature **Phonebook**.  
The phone displays the phonebook list.  
or


### **For Recent Calls**


- Press  and navigate to the feature **Dialed Calls** or **Received Calls**.  
The phone displays the list of recent calls for the type you selected.

### **Select first number**


2. Press  to scroll to the first number you want to attach.
  3. Press .
  4. Press  to scroll to **Attach Number**.
  5. Press .
- The phone displays the attach menu, with options such as phonebook and dialed numbers.



**Select  
second  
number**

6. Press  to scroll to the source of the second number you want to attach.


7. Press .

The phone displays the list of numbers from the source you selected.

8. Press  to scroll to the second number you want to attach.

9. Press  to attach the number and go to the idle number editor, or press  to attach another number (go to step 4).

The phone displays the attached numbers in the idle number editor.

10. Press  to dial.

### ***Adding Digits to the End of a Number***

You can open your phonebook or recent calls list, select a number, and then add digits to the end of the number.

To add digits to numbers from your phonebook or recent calls list:

**For  
Phone-  
book**


1. Press  and navigate to the feature **Phonebook**.

The phone displays the phonebook list.

or






**For Recent Calls**


Press  and navigate to the feature **Dialed Calls** or **Received Calls**.

The phone displays the list of recent calls for the type you selected.

**Attach number**


2. Press  to scroll to the entry to which you want to attach a number.
3. Press .
4. Press  to scroll to **Add Digits**.
5. The phone displays the selected number in the idle number editor.

**Enter suffix**

6. Enter the suffix—the numbers that will follow the number you selected from your list.
7. Press  to dial.

## ***Dialing Emergency Calls***

Your phone stores one or more emergency numbers, which can only be changed by your provider or another authorized technician. You should always know the emergency numbers stored in your phone.

To dial an emergency number, simply enter the numbers and press , just like other number.

Emergency numbers are different, because you can dial them even if the phone, keypad, and SIM card are locked. You can also dial them if the SIM card is damaged or missing.

Refer to your phone provider for questions about the emergency numbers stored in your phone.

## ***Receiving a Basic Call***

When a new call arrives, your phone notifies you with a new call dialog and your chosen alert (for example, ring or vibrate). When you receive a call:

**Setup** Your phone notifies you with a new call dialog and your chosen alert (for example, ring or vibrate).



The phone displays information about the caller if:

- you subscribe to caller ID service (CLI)
- the network issues a call waiting flash with information


**Choose answer or ignore** Complete one of the following:

- Press  or  to answer the call.

or

- Press  or  to ignore the call (the network handles the call appropriately).

or

- Press and hold  for one second to end the call without forwarding it to voicemail or any other designated number.

## **Receiving Calls with Caller ID**





If you subscribe to caller ID (CLI), your phone usually displays the caller's name or number when a new call arrives.

If the caller's information is *not* available, the word **Private** is displayed in place of the information. You can choose to answer or ignore these calls.

When you receive a call with no caller ID:

**Setup** An incoming call with no caller information displays **Private** in place of the caller's information.

**Choose** Complete one of the following:

- answer**
- Press  or  to ignore the call.
- or**
- Press  or  to answer the call. The phone resumes normal function.
- ignore**

## **Using Call Waiting**

If you subscribe to call waiting, your phone notifies you with a call waiting tone if you receive a second call while you are on another call. You can choose to switch to the other call or not.

**Note:** If you already have an active call and another call on hold, your phone does not notify you of additional incoming calls.

Call waiting is an optional feature. Contact your service provider for information about availability.


### **Using Call Waiting on an Analog System**


When a second call arrives on an analog system, complete the following:


**Setup** While you are on a call, you hear a call waiting tone, and the current call stays active.



The phone displays a call waiting dialog that identifies the new caller if:

- you subscribe to caller ID service (CLI)
- the network issues a call waiting flash with info

If you see this notification, you can press  to answer the new call.








**Answer the new call** 1. Press  to switch to the new call and put the current call on hold.  
or

Press  to end the current call and switch to the new call.

**Switch calls** 2. If you put the original call on hold, press  to return to it.  
3. Press  to end the current call.  
Your phone switches to the other call, if present, or returns to the idle state.

## **Using Call Waiting on a Digital System**

When a second call arrives on a digital system:

- Setup** While you are on a call, you hear a call waiting tone, and the current call stays active.
- The phone displays a call waiting dialog that identifies the new caller if your technology supports this feature.
- Answer new call**
1. Press  or  to switch to the new call and put the current call on hold. You see both calls on your display, with a flashing phone icon next to the active call.
- or**
- Press  to end the current call and switch to the new call.
- or**
- Press  to ignore the new incoming call. The network handles the call appropriately.
- Switch calls**
2. If you put the original call on hold, press  to return to it.
  3. You can press  to link the two calls into a conference, so that you can talk to both people at the same time. See Conference Calls on pgXX. Press  to end the current call.

## ***In-Call Features***

---

Phone features that are available during an active call are called *in-call features*. In this chapter you will learn how to:

- receive other calls
- look up your phone number, recent calls, phone book entries, messages, and datebook items
- put a call on mute or hold
- dial/enter numbers, tones, and PIN numbers
- set up a three-way or conference call
- transfer calls
- use a speakerphone (handsfree mode)

### ***Menu Features***

Call Menu	Call/Dial Menu
My Tel. Number	Spkrphone On/Off*
Hold	My Tel. Number
Mute/Unmute	Hold
Talk to One**	Mute/Unmute
Transfer	Send Tones
New Call	Attach Number
Dialed Calls	Hide ID/Show ID
Received Calls	Insert Pause
Messages	Insert Wait
Datebook	Insert 'n'
	Send Message

2 Calls Menu	2 Calls/Dial Menu
Spkrphone On/Off*	Switch
Mute/Unmute	Link
Transfer	Spkrphone On/Off*
Phonebook	Mute/Unmute
Dialed Calls	Send Tones
Received Calls	Attach Number
Messages	Hide ID/Show ID
Datebook	Insert Pause
	Insert Wait
	Insert 'n'
	Send Message

\* appears only if a speakerphone is connected to the phone

\*\* appears only if a conference call is in progress

## ***Receiving a Second Call***

When you receive a second call while you are already on the line, complete the following steps:

### **Setup**

When a second call arrives, your phone notifies you with a new call dialog and an in-call tone.



The phone displays information about the caller if either:

- you subscribe to caller ID service (CLI)
- the network issues a call waiting flash with information


**Choose  
answer  
or  
ignore**

Press  or  to answer the call.

or

Press  or  to ignore the call.  
(The network handles the call  
appropriately.)

or

Press and hold  for 1 second to end  
the call without forwarding it to  
voicemail or to any other designated  
number.

**Note:** You can only keep two calls open at a  
time. If a third call arrives while you already  
have two calls open, your phone does not  
notify you.

## ***Sending and Receiving Data or Fax Calls***

While your phone is being used as a wireless modem to  
send or receive data or fax calls, your phone cannot  
perform any other functions. The following conditions occur:

<b>Fax call</b>	Your phone queues all call waiting and new events (incoming text messages, voicemail, etc.) so that they reappear after the fax is complete. You cannot view or act on them during the fax call.
-----------------	--



<b>Data call</b>	Your phone ignores all call waiting and new events (incoming text messages, voicemail, etc.) unless they are supported by peripheral software. You cannot view or act on them.
------------------	--

For more details about these calls, refer to “Sending and Receiving Data or Fax Calls” on page 78.

For details about how to handle a fax call that arrives while you are on another call, refer to “Receiving a Second Call” on page 77.

## ***Viewing Your Phone Number***


You can view your own phone number while you are on an active call.

### **Find the feature**

1. Press  and navigate to the feature **My Tel. Number**.



The phone displays its own telephone number.

### **Exit**

2. Press  to return to the active call dialog.





## Muting a Call

You can turn off or *mute* your phone's microphone during a call. When you mute a call, you temporarily stop the caller from hearing you.

- Turn mute on**
1. Press  and navigate to the feature **Mute**.  
The phone displays the message **Mute is on**, followed by the **Mute** dialog.
- Turn mute off**
2. Press  again to turn the mute feature off and turn the microphone on.







## Placing a Call on Hold


Your phone lets you put a call on hold.

- Find the feature**
1. Press  and navigate to the feature **Hold**.  
or  
Press  when the phone displays **Hold** above the key.  
The phone displays an **On Hold** message, followed by the **On Hold** dialog.
- Dial another call**
2. Optionally, while a call is on hold, you can press  to open the phonebook and dial another call.
- Exit**
3. Press  to resume the call.

## **Dialing and Entering Numbers**

You can enter digits during an active call, whether it is to dial another number or to enter a password or credit card number. Following are some of the tasks you can complete:

- Enter digits** Enter the digits on the keypad or select a number from your phonebook or other list.
- The digits appear in the active call dialog as you enter them. The phone automatically stores the digits to Notepad. Refer to "Using the Notepad" on page 101.
- Delete digits** To delete a single digit, press .
- To delete all of the digits you entered, press and hold  for one second.
- Dial number** To dial the number you entered, press .
- Refer to "Setting Up a Three-Way Analog Call" on page 82 or "Using Digital Conference Call Options" on page 83.
- Create phonebook entry** If you do not have a call on hold or muted, you can create a phonebook entry by pressing .
- Refer to "Storing Phonebook Entries" on page 231.
- If you have a call on hold, pressing  will return to the call.
  - If you have a call muted, pressing  will unmute the call.

- Send as DTMF** If you do not have a call on hold, you can send the numbers as Dual Tone Multi-Frequency (DTMF) tones, which are used for passwords, credit card numbers, and other codes.
- For more detail, refer to “Sending Tones” on page 88.
- Send as MMI** To send MMI commands, press . Your network may give you MMI commands to perform certain tasks.
- Time Out** If you do not take any action within 20 seconds, the phone clears the digits you entered. However, they are still stored in the Notepad.


## ***Setting Up a Three-Way Analog Call***

You can set up a three-way call on an analog network by calling a third party during an active call. However, since calls on hold have higher priority than three-way calls, you cannot set up a three-way call if you already have a call on hold.


**Note:** Three-way calling is an optional network feature. Contact your service provider for information about availability.

To set up a three-way call on an analog network:

**Call  
third  
party**

1. During an active call, dial the third party and press .

or

Select a number from your phonebook or other list and press .

Your phone will briefly display:

**Dialing**

*(third party's phone number)*

Your active call display returns, and the third party should be connected. Since the phone does not receive any indication of whether the call connects, it does not display any notification.

**Exit**

2. Press  to disconnect.

## ***Using Digital Conference Call Options***

If you want to talk to several people at once, you can set up a conference call. To do this, call each person separately and add or link them to the call.


While you are connected to a conference call, you can also choose to have a private conversation with one of the people in the call.

**Note:** You can only set up one conference call at a time. Conference calls are only available on digital networks. For analog networks, refer to "Setting Up a Three-Way Analog Call" on page 82.


## Setting Up a Conference Call

To set up a conference call:



### Call another party

1. During an active call, dial the new party and press .


or

Select a number from your phonebook or other list and press .

Your phone displays the **Calling** and **Connected** dialogs while calling the new party.

When your phone returns to the active call display, you see a list of the connected calls, with a hold icon  next to the call on hold and an active icon  next to the active call.


### Link calls

2. Press  to link the two calls.

Your phone links the new call to the previous call.

To add more people to the conference call, repeat these two steps. Since you can only keep two calls open at once, you must link each new call to the conference before making another call.

### Exit


3. Press  to disconnect.

## Setting up a Private Call From a Conference Call

**Note:** This feature is only available if you initiated the conference call and no one else is on hold.



To step out of a conference call and set up a private call with one of the participants, complete these steps:

### Find the Feature

1. During an active conference call, press  and navigate to the feature **Talk to One**.


Your phone displays the **Talk only with** menu, listing all the parties in the conference call.

### Select a single party


2. Scroll  to the party with whom you want to have a private call.
3. Press .

You begin a private call with the selected party. The conference call is on hold, but its participants can continue to converse.


### Return to conf. call

4. To return to the conference call:  
Press  to link both of you back into the conference call.

or

Press  to put the private call on hold and return temporarily.

### Exit

5. Press  in the conference call to disconnect.

## ***Transferring a Call***




When you receive a call, you can transfer the call to another phone, called the *target phone*. This section describes how to use a warm and a cold transfer.

### ***Using a Warm Transfer***

A *warm transfer* permits you to speak to the person who answers the target phone first. You can tell them whom you are transferring or why, before you transfer the call.


To transfer a call with a warm transfer:

#### **Put call on hold**


1. When you are talking to someone who you want to transfer to another phone number, Press . Press  to scroll to **Hold**.
2. Press .

The phone displays the **On Hold** dialog. Refer to "Placing a Call on Hold" on page 80.

#### **Call target phone**

3. Dial the target phone number and press  to call.

or


Select a number from your phonebook or other list and press  to call.


The phone displays the **2 calls** dialog.

4. Speak to the person who answers the target phone.




**Transfer  
the call**

5. Press . Press  to scroll to **Transfer**.

6. Press .

The phone displays the **Transfer** confirmation dialog.

7. Press  to confirm the transfer.



The phone displays the **Transferring** dialog and the transfer is complete.

### ***Using a Cold Transfer***

A *cold transfer* sends an active call directly to another phone, without giving you the chance to speak to the person on the target phone.


To transfer a call with a cold transfer:

**Choose  
transfer**


1. When you are talking to someone you want to transfer to a target phone, press   **Transfer**.

The phone displays the **Transfer to** dialog.

**Transfer  
the call**

2. Dial the target phone number and press  to call.

**or**

Select a number from your phonebook or other list and press  to call.

The phone displays the **Transferring** dialog and the transfer is complete.

## ***Sending Tones***

You can enter digits and send them as Dual Time Multi-Frequency tones (DTMF) tones. These tones are used to access automated calling systems, such as credit card entry, password entry, or number linking. Your phone transmits DTMF tones when you press a key on the keypad.

This feature only applies in certain situations, such as when you are on an active call, dialing, or viewing your phonebook, dialed calls, or received calls.

To send tones:

**Enter digits**      1. Enter the digits on the keypad or select a number from your phonebook or other list.

**Send tones**      2. Press . Press  to scroll to **Send Tones**, and press .

or

Press and hold  for one second.

You can hear the tones in your earpiece as the phone sends them to the network.




## ***Entering a PIN (Analog)***

On some analog networks, you have to enter a PIN (Personal Identification Number) to dial certain numbers.


If your Auto-PIN feature is turned on, you can send your PIN with the press of a button whenever required.

Otherwise, you can enter your PIN digits and then send them.

To dial a number with a PIN:

- Dial number**
1. Enter the number you want to dial and press .
- Send PIN**
2. If the network requires a PIN for this number, complete one of the following steps:
    - a. If Auto-PIN is on, your phone displays the **Send PIN Code** dialog.  
Press  or  to send your PIN.

or

    - b. If Auto-PIN is off, you hear the network prompt (beep or recording), and your phone displays the **Connected** dialog.  
Enter your PIN and press  to send your PIN.
- The call proceeds to connect.

## ***Viewing Entries***

### ***Recent Calls***

You can view your list of recent calls while you are on a call. The list shows you the names or numbers from calls you

recently dialed or received. To view the recent calls list during a call:


**Display the list**

1. Press .
2. Press  to scroll to **Dialed Calls** or **Received Calls**, depending on which list you want to see.
3. Press .

Your phone displays the list of the ten most recent calls, numbered from the oldest (1) to the most recent (10).

For more details, refer to “Recent Calls” on page 93.


**Exit**




4. Press  to return to the active call.

## **The Phonebook**

You can open your phonebook during a call, to see a list of your entries. To view your phonebook during a call:


**Display phonebook**

1. If you have only one call, press .
- or

If two calls are active, press . Then press  to scroll to **Phonebook**, and press .

Your phone displays your list of phonebook entries. For more detail, refer to “Using the Phonebook” on page XX.

**Exit**

2. Press  to return to the active call.

## ***Messages***


During a call, you can look at your messages from any category, such as Voicemail or Text. To view your messages during a call:

### **Display message menu**

1. Press .
2. Press  to scroll to **Messages**.
3. Press .

Your phone displays the **Message Center** menu, where you can select the messages you want to see. For more detail, refer to "Using the Message Center" on page XX.

### **Exit**

4. Press  to return to the active call.

## ***The Datebook***


During a call, you can open your datebook and view, edit, or create entries. To view your datebook during a call:

### **Display datebook**

1. Press .
2. Press  to scroll to **Datebook**.
3. Press .

Your phone displays your datebook, where you can select days to view and edit. For more detail, refer to "Using the Datebook" on page XX.

### **Exit**



4. Press  to return to the active call.

## **Using a Speakerphone (Handsfree Mode)**

If you connect your phone to an external earpiece and microphone, you can switch your phone to communicate through this handsfree device. You can even do this during a call.

**Note:** Speakerphone options are not available on phone menus unless a speakerphone is plugged into the phone.

To switch to a speakerphone during a call:

- |                           |   |
|---------------------------|---|
| <b>Switch speaker on</b>  | 1. Press  .  |
|                           | Your phone displays a <b>Spkrphone On</b> notification.                                       |
| <b>Switch speaker off</b> | 2. Press  . |
|                           | Your phone displays a <b>Spkrphone Off</b> notification.                                      |

## **Recent Calls**

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Your phone keeps track of the most recent calls you dialed and received. You can find out what numbers you called (or what numbers called you) and how long the calls lasted.

In this chapter you will learn how to:

- look at your list of received calls and use its options
- look at your list of dialed calls and use its options
- use the notepad
- view and reset your call timers

### **Menu Features**

Recent Calls	Last Calls
Received Calls	Store
Dialed Calls	Delete
Notepad	Delete All
Call Time	Send Message
	Add Digits
	Attach Number
	Send Tones

### **Tips for the Received Calls List**

Your phone keeps a list of numbers for calls that you most recently received—both calls that you answered and calls that you missed. This list tells you the caller's name and

number (if available) and whether you spoke to the caller or not.

- The list entries are sorted from newest (10) to oldest (1).
- Each call is represented by the name or, if the name is unavailable, the number of the other party.
- An icon next to an entry indicates if you answered the call or have since placed a call to the number.
- Unknown entries and duplicate entries are included in the list as individual entries.
- Fax and data calls are included in the list, with any unrecognizable characters represented by an asterisk \*.
- SIM or Browser programs may not provide a number to call back. You can call back the entry if a name is present, but if none is present and the program suppressed the number, then the call does not appear in the list.
- The list reflects changes in the phonebook. For example: If you make a phonebook entry for a number in the list and assign a name to it, the list updates to show the name.
- If caller information is unavailable, the entry says **Unknown**.
- If caller information is withheld, the entry says **Private**.
- The list includes calls that are answered by network voicemail.

### ***Tips for the Dialed Calls List***

Your phone keeps a list of the numbers that you called most recently. This list tells you the caller's name (if available)




and number, and it indicates whether they answered the call or not.

- The list entries are arranged from newest (10) to oldest (1).
- Each call is represented by the name or, if the name is unavailable, the number of the other party.
- Conference calls do not appear as entries in the list. Each call placed to each member of the conference is a separate dialed calls entry.
- Duplicate entries are included in the list as individual entries.
- Fax and data calls are included in the list.


### ***Viewing the Received Calls or Dialed Calls List***




To view the received calls or dialed calls list:

**Find the feature**


1. Press  and navigate to the feature **Recent Calls** ► **Received Calls** or **Dialed Calls**.  
The phone displays the list.

**Complete tasks**

2. You can press  to scroll to an entry and complete one or more of the following tasks:


- Press  to call the entry's number.
- Press and hold  for one second (with a call in progress) to send the entry's number as DTMF tones.
- Press  to view the entry's details, if **View** appears above the key. Refer to "Viewing Details for Received Calls and Dialed Calls" on page 98.

or


Press  to store the entry's details in the phonebook, if **Store** appears above the key. Refer to "Storing Phonebook Entries" on page 231.

- Press  to open the Last Calls menu. Refer to "Received Calls and Dialed Calls Menu Options" on page 97.


**Exit**

3. Press  to return to the previous dialog

or

Press  return to the main dialog.

## ***Received Calls and Dialed Calls Menu Options***







If you are viewing the received calls or dialed calls list, or the details of a received calls or dialed calls list entry, you can press  to see the following options:

- Store** Create a new phonebook entry, with the selected number in the **Te1 No.** field. Refer to “Storing Phonebook Entries” on page 231.
- This option is not available if **Store** appears on the list dialog.
- Delete  
or  
Delete  
all** Refer to “Deleting Entries from the Received Calls or Dialed Calls List” on page 100.
- Send  
msg.** Create a new message, with the selected number in the **Te1 No.** field. Refer to “Sending a Text Message” on page 113.
- Add  
digits** Add digits to the end of the selected number. Refer to “Adding Digits to the End of a Number” on page 70.
- Attach  
number** Attach digits to the beginning of the selected number. You can either use the keypad or select another number from your phonebook or other list. Refer to “Adding or Attaching Numbers” on page 67.

**Send tones** Send tones, only with a call in progress.  
Refer to "Sending Tones" on page 88.



### ***Viewing Details for Received Calls and Dialed Calls***

To view a call's details in the received calls list:


- Find the feature**
1. Press  and navigate to the feature **Recent Calls**  **Received Calls** or **Dialed Calls**.  
The phone displays the list.
- Select entry**
2. Press  to scroll the desired entry.  
If details are available, the phone displays **View** over the .  
  
If details are not available, the phone displays **Store** over the . This opens a new phonebook entry with the call's number in the **Tel No** field. To complete this entry, refer to "Storing Phonebook Entries" on page 231.
3. Press  to see an entry's details, if they are available.  
  
The details form includes: caller name, caller number, start date and time, and duration.




**Complete tasks**

4. You can complete the following tasks from the received calls details form:


- Press  to close the entry's details and return to the list.
- Press  to delete the entry (if a phonebook entry already exists for the entry's number)

or


Press  to create a phonebook entry for the entry's number, if one does not exist. Refer to "Storing Phonebook Entries" on page 231.

- Press  to place a call to the entry's number, if you do not already have two calls open.
- Press and hold  for one second (with a call in progress) to send the entry's number as DTMF tones.
- Press  to open the Last Calls menu. Refer to "Received Calls and Dialed Calls Menu Options" on page 97.

**Exit**









5. Press  to return to the previous dialog

or

Press  return to the main dialog.

## ***Deleting Entries from the Received Calls or Dialed Calls List***

To delete entries in the received calls list:

- Find the feature**
1. Press  and navigate to the feature **Recent Calls** ► **Received Calls** or **Dialed Calls**.  
The phone displays the list.
- Delete entry**
2. Press  to scroll the entry you want to delete.  
If you want to delete all of the entries, select any entry and continue.
  3. Press .
  4. Press  to scroll to **Delete**.  
If you want to delete all of the entries, select **Delete All** instead.
  5. Press .  
The phone displays a delete confirmation dialog.
  6. Press  to confirm the deletion.
- Exit**
7. Press  to return to the previous dialog  
or  
Press  return to the main dialog.

## Using the Notepad


Your phone uses a notepad to store the most recent string of digits entered. You can use this notepad to recall the last number you entered, even if you did not place a call.

**Example:** You enter a number, but decide not to dial it yet. You turn off your phone. Later, you decide to dial the number, so you turn on your phone again. The number does not appear on the display, but it is still on the notepad.

The notepad even records digits that you enter during a call or other activity. It stores these digits until they are cleared from the display and you dial new digits.

To view the Notepad:



### Find the feature


1. Press  and navigate to the feature:

**Recent Calls ► Notepad**


The phone displays the digits on the notepad.

### Complete tasks


2. You can complete the following tasks from the Notepad dialog:
  - Press  to delete the numbers one at a time.
  - Press  to open the phonebook menu. Refer to "Storing Phonebook Entries" on page 231.

- Press  to open the new phonebook entry form, with the notepad number copied into the **Te1 No.** field. Refer to “Storing Phonebook Entries” on page 231.

**Exit**

3. If the notepad is empty, press  to return to the recent calls menu.

or

Press  to return to the phone's main dialog at any point.

## ***Viewing or Resetting Call Timers***

Your phone keeps track of the amount of time you spend on calls. This time is broken down into five different categories, each of which is a separate timer:

**Last Call timer**—the time spent on the last call you dialed or received (cannot be manually reset)

**Dialed Calls timer**—the total amount of time you spent on all dialed calls since the last time you reset this timer









**Received Calls timer**—the total amount of time you spent on all received calls, since the last time you reset this timer

**All Calls timer**—the total amount of time you spent on all calls (dialed and received) since the last time you reset this timer

**Lifetime timer**—the total amount of time spent on all calls ever made on this phone (cannot be manually reset)



To view or reset your call timers:

- Find the feature**
1. Press  and navigate to the feature:  
**Recent Calls ► Call Times**  
The phone displays the call times menu.
- View time**
2. Press  to scroll to the call timer you want to see (for call timer definitions, refer to the timer list that precedes this procedure).
  3. Press .
  4. The phone displays the time recorded by the selected call timer.
- Reset time**
5. If you want to reset the time, press .  
The phone displays a **Reset Timer** confirmation.  
To confirm the reset, press . The phone resets the timer and returns you to the call times menu.  
To cancel, press .
- Exit**
6. Press  to return to the call times menu (if you are still viewing a call timer).  
**or**  
Press  to return to the main dialog.

# **Call Forwarding**

---

You can tell your phone to forward your calls to another phone number, and you can assign a different number to different types of calls—voice, fax, or data. You can even provide second forwarding numbers for voice calls, in case the first number is busy or unanswered.

In this chapter you will learn how to:

- set up your call forwarding
- check your call forwarding settings on the network
- turn off your call forwarding

## **Menu Features**

Call Forward
Voice Calls
Fax Calls
Data Calls
Cancel All
Forward Status

## Setting up Call Forwarding

Your phone lets you specify which types of calls you want to forward—voice, fax, or data, and how you want to forward them. You have three field options for forwarding calls:

<b>All Calls</b>	This forwards all of your calls of the selected type. You want all of your voice calls to go to the same number without ringing on your phone.
<b>If Unavailable</b>	This forwards calls of the selected type if your phone is out of range, unanswered, or turned off. You want all of your voice calls to go the same number, if you do not answer them first.
<b>Detailed</b>	This lets you specify three different forwarding numbers. Your phone can forward calls to one number if you are busy, another one if your phone is off or out of range, and a third number if you do not answer your phone.

**Note:** You can choose any of the above for voice calls, and you can choose either **All Calls** or **If Unavailable** for fax and data calls.


To set up call forwarding:


**Find the feature**

1. Press  and navigate to:  
**Settings** ► **Call Forward**

The phone displays the call forward menu.

**Select call type**


2. Press  to scroll to the call type you want to set up: **Voice Calls**, **Fax Calls**, or **Data Calls**.




3. Press .

The phone displays the call type form.



**Select Forward option**

4. Select an option in the **Forward** field:


- a. Press  to scroll to **Forward**.

- b. Press  to open the **Forward** field list and press  to scroll to the field option you want to select. (Detailed is not available for fax or data calls.) Press  to store your selection and return to the call type form.


or

Press   to scroll through the Forward field options to the field option you want to select.

**Open  
number  
editor**

5. Press  to scroll to the To field.


For Detailed forwarding, the To field is replaced by the **If Busy**, **If No Answer**, and **If Unreachable** fields. Complete these fields as follows (the same as the To field).

6. Press  to open the field editor.





or

Enter the forwarding number using the keypad. The field editor opens automatically.

**Select  
or enter  
number**

7. Press  to browse through the numbers in your phonebook or recent calls.




The phone displays a browse menu with selections such as Voicemail and Phonebook.

8. Press  to scroll to the list you want and press  to view the list. (If you select Voicemail, the phone enters your voicemail number or prompts you for one.) Press  to scroll to the number you want and press  to select it. Browse is only available before you enter any characters in this field.




or

Enter the forwarding number using the keypad.

**Edit and cancel or store number**

9. After you enter digits, you can:
- Press  to delete digits
  - Press  (with all digits deleted) to cancel
10. Press  to store the number and return to the entry form.

**Exit**

11. Press  to close the entry form and store your changes.
12. Press  to return to the settings menu.
- or
- Press  to return to the main dialog.

## **Checking Call Forward Status**

Sometimes, network settings interfere with the call forwarding you set up on your phone. You can check your call forwarding status on the network to make sure the settings match what you want.

To check your call forward status on the network:


**Find the feature**

1. Press  and navigate to:  
**Settings** ► **Call Forward** ► **Forward Status**

The phone displays the forward status menu.


**Select  
call type**

2. Press  to scroll to **Voice Calls, Fax Calls, or Data Calls**.

3. Press .


The phone displays the call type form, with the fields that you completed when you set up your call forwarding.

Examine the fields to make sure they match what you want. (You cannot modify the fields here.)


You can press  to see each field's details. To make changes, refer to "Setting up Call Forwarding" on page 105.

**Exit**

4. Press  to close the form.

5. Press  to return to the call forward menu.

or

Press  to return to the main dialog.

## ***Turning Off Call Forwarding***

You can switch your call forwarding off for a single type of call—voice, fax, or data, or for all calls together.



To turn of call forwarding:

**Find the feature**







1. Press  and navigate to:  
**Settings** ► **Call Forward**

The phone displays the call forward menu.



**Turn off call forward for all calls**

2. To turn off call forwarding for all types of calls together—voice, fax, or data:
  - a. Press  to scroll to **Cancel All**.
  - b. Press .


**Turn off call forward for a call type**

3. To turn off call forwarding for a specific type of call:
  - a. Press  to scroll to **Voice Calls**, **Fax Calls**, or **Data Calls** (the one you want to turn off).
  - b. Press .
  - The phone displays the call type form.
  - c. Press  to scroll to **Forward**.
  - d. Press , press  to scroll to **Off**, and press  to store your selection and return to the call type form.

or


Press   to scroll through the Forward field options to **All Calls**, **If Unavailable**, or **Detailed**.




- e. Press  to return to the call forward menu.

Although your forwarding number fields disappear, their data is not lost. Your forwarding numbers return when you re-select All Calls, If Unavailable, or Detailed.

**Exit**

- 4. Press  to return to the settings menu.

or

- Press  to return to the main dialog.

## ***Calls and Messages***

---

In addition to voice calls, your phone can send and receive text and fax messages.

Your phone incorporates several dialing options to give you the most versatility and ease of use. This chapter describes how to use these options, from basic number dialing to joining stored numbers into a single string.

In this chapter you will learn how to:

- use the keypad to enter text
- send a text message
- send data and fax calls
- receive a call or fax
- use call waiting

### ***Menu Features for Calls and Messages***

Dialing
Attach Number
Insert Pause
Insert Wait
Insert 'n'
Send Message

## ***Sending a Text Message***

You can use your phone to create and send text messages. You can start either with a blank message or a QuickNote.

QuickNotes are little pre-written messages that you can select, edit, and send, such as **Call me at ...**



You can also create your own QuickNotes. If a QuickNote matches what you want to say, you can save time by selecting it to start your message.

## ***Sending a Message With a QuickNote***



To send a text message with a QuickNote:

### **Find the feature**











1. Press  and navigate to the feature **Quicknotes**.

The phone displays the QuickNote list. If a QuickNote is longer than the list display, you can press  to scroll to it and press  to read it.


### **Select Quick-Note**

2. Press  to scroll to the QuickNote you want and press .


The phone displays the text message form, with your selected QuickNote in the **Msg:** field.



- Enter To #**
3. Press  to scroll to the **To:** field.
  4. Press .
  - The phone displays the **To:** editor.
  5. Press  to browse through the numbers in your phonebook or recent calls. The phone displays a browse menu, containing **Received Calls**, **Dialed Calls**, and **Phonebook**. Press  to scroll to the list you want and press  to see the list. Then Press  to scroll to the number you want and press  to select it.  
Browse is only available before you enter any characters in this field.
- or**
- Use your number keys to enter the number.
6. Press  to return to the text message form.
- Edit msg**
7. Press  to scroll to the **Msg:** field.
  8. Press .
  - The phone displays the message editor, containing your selected QuickNote.

9. Use the keypad to add any extra text, as described in “Using the Keypad to Enter Text” on page 45.

10. When you finish entering text, press  to return to the text message form.


**Enter  
Priority**


11. Press  to scroll to the **Priority:** field.

You can use   to scroll through the priority options without opening the Priority menu (when complete, skip to step 15).


12. Press .


The phone displays the priority menu.

13. Press  to scroll to the priority you want.

14. Press  to return to the text message form.


**Enter  
Call #**

15. Press  to scroll to the **Call:** field.

16. Press .

The phone displays the call editor.

17. Enter the number that you want your recipient to call back (the From number for your message).

18. Press  to return to the text message form.


**Send msg**

When you have completed the fields in the text message, continue with these steps:


19. From the text message form, press



20. The phone displays the Send Message dialog.

21. Press  to send the message

or

Press  to cancel. If you cancel, select one of the options, such as **Save to Drafts**.

### ***Sending a Message Without a QuickNote***

To send a text message without a QuickNote:

**Enter prefix**

1. From the idle display, enter the number to which you are sending the message.




**Open new msg form**

2. Press .
3. Press  to scroll to **Send Message**.
4. Press .







The phone displays the text message form, with the number you entered in the **To:** field.







**Note:** You can also open this form by selecting **Create Message** to complete the **To:** field.

**Enter  
msg**

5. Press  to scroll to the **Msg:** field.
6. Press .
- The phone displays the message editor.
7. Enter your message using the keypad as described in "Using the Keypad to Enter Text" on page 45.
8. When you finish entering text, you can press  to return to the text message form.

**Enter  
Priority**

9. Press  to scroll to the **Priority:** field.  
You can use   to scroll through the priority options without opening the Priority menu.
10. Press .
- The phone displays the priority menu.
11. Press  to scroll to the priority you want.
12. Press  to return to the text message form.

- Enter  
Call #**
13. Press  to scroll to the **Call :** field.
  14. Press .
  - The phone displays the call editor.
  15. Enter the number that you want your recipient to call back (the **From** number for your message).
  16. Press  to return to the text message form.
- Send  
msg**
- When you have completed the fields in the text message, continue with these steps:
17. From the text message form, press .
  18. The phone displays the Send Message dialog.
  19. Press  to send the message or press  to cancel. If you cancel, select one of the options, such as **Save to Drafts**.

## ***Sending Data and Fax Calls***

If your phone is connected to a computer or fax machine, you can use it as a wireless modem to send and receive information.

You can connect your phone using an infrared (IRDA) link. Once your phone is connected, you can send fax and data calls through your phone by initiating them on the machine connected to it. You can also receive fax and data calls on



your phone, sending the information directly to the machine connected to it.

Two types of data and fax calls are available:

<b>Active calls</b>	occur when a machine connected to your phone sends data or a fax  (All of your other phone functions are temporarily unavailable, and any calls are put on hold.)
<b>Background calls</b>	occur when a program on your phone sends data or a fax (such as a browser making a packet data call to exchange data)

To send a data or fax call:

**Set up IRDA link**



1. Press **MENU** and navigate to the feature **IRDA Link**.

The phone displays **Infrared Link Connecting**, then **IRDA Link is active**.

If the IRDA link fails, you have the option of trying again.

**Tip:** To set up an IRDA connection, your phone must be within one meter (with nothing interfering in the line of sight) of the other IRDA-compatible device.


**About the IRDA link**

- The link remains active until the connected machine begins a transfer, but closes if no transfer begins within 60 seconds.
- If the connection is lost, the phone continues to display **IRDA Link is active** for 15 seconds while it tries to re-establish the connection.
- You cannot leave this dialog without closing the connection.
  - To restart the connection, press .
  - To close the connection, press .

**Initiate the transfer**

2. Initiate the data or fax call from the connected machine.  
Your phone displays the data or fax dialog.

**Exit**

3. Press  to end the connection when the call is complete.

## ***Receiving a Fax***

You can receive incoming faxes through your phone. When a fax call arrives, your phone rings and displays a new call dialog.

**Note:** If a fax call arrives while you are on another call, refer to “Using Call Waiting” on page 73.


To send a fax call directly to a fax machine, connect your phone to a fax machine with an infrared (IRDA) link. Once

your phone is connected, you can also send fax and data calls through your phone by initiating them on the machine connected to it.

You can receive both data and fax calls, as described in “Sending Data and Fax Calls” on page 118.


When you receive a fax call:

**Setup** Your phone notifies you of an incoming fax according to the selected fax alert. Refer to “Selecting a Ring/Vibration for a Specific Event” on page 225).


**Answer fax** 1. Press  to set up an infrared link, if your phone supports IRDA and is not connected to a peripheral device.

To set up an IRDA connection, your phone must be within one meter (with nothing interfering in the line of sight) of the other IRDA-compatible device.

**or**

Press  to ignore the fax. The network handles the fax appropriately.

**or**

Press and hold  for 1 second to end the fax without sending it to a fax mailbox or any other designated number.

**Setting  
up IRDA  
link**

2. If you selected an infrared link, the phone attempts to set up the link:
  - If the link is successful, the call can be answered by the peripheral device. Refer to Using Infrared Links on XX.
  - If the connection is lost, the phone continues to display **IRDA Link is active** for 15 seconds while it tries to re-establish the connection.
  - If the link is unsuccessful, the phone gives you the option to try again or quit.

# Messages

---

You can check on several types of messages in your phone's message center. In this chapter you will learn how to:

- receive new messages
- read and manage messages
- set up inboxes for messages
- access voicemail messages
- manage QuickNotes
- use your outbox
- use your drafts folder
- check memory and clean up all messages

## Menu Features for Messages

Msg Centr	Text Msg
New Message	Call Back
Cleanup All	Go To
Memory Meter	Reply
VoiceMail Setup	Lock
Text Msg Setup	UnLock
Info Srvc Setup	Store Number
Outbox Setup	Delete
	Delete All
	New
	Setup

## ***Types of Messages***

You can send and receive the following types of messages:

<b>VoiceMail</b>	messages that are stored on the network rather than on your phone
<b>Text Messages</b>	brief text messages, sometimes including phone numbers or URLs
<b>Information Services</b>	broadcast or browser messages
<b>QuickNote</b>	customizable pre-written text messages that you can send quickly
<b>Drafts Folder</b>	messages that you have written but have not sent yet

## ***Receiving New Messages***

When you receive a new message, your phone displays a new message dialog and gives an alert—a sound or vibration, unless you set your alert to silent.


A new message dialog is displayed:


**New (message type) message**

**X New (message type) messages**

where *message type* can be **VoiceMail**, **Text**, **Info Service**, or **Browser**. If you receive more than one message, then *X* is the number of new messages. One of

the following message icons is displayed at the top of your dialog:


New message  You have new text, information service, or browser messages in your message center.

New VoiceMail  You have new VoiceMail messages (or any, depending on your network).

**Notes:**

- If reminders are turned on, your phone plays a reminder every five minutes until you close the new message dialog, read the message, or turn off your phone.
- If you turn off your phone, the new message dialogs reappears five minutes after you turn it on again.
- If another type of message arrives while the new message dialog is still open, the newest message dialog overrides the older one. Once you close or read the newest message, the older one comes up again.
- Your phone does not display new message dialogs if you are in a detailed view or already in the message center.

When you see a new message dialog:

**Respond to new msg dialog** Press  to close the new message dialog and return to your previous state.

or

Press  to review the message or messages.

**Receive new msg** If you chose to receive the new message, your phone does one of the following:

- dials your VoiceMail (for VoiceMail messages)
- displays the message (for a single new text, info. services, or browser message)
- opens the appropriate inbox (for multiple new text, info services, or browser messages)

**Respond to new msg** For instructions on responding to, saving, or deleting the new message, refer to the appropriate section in this chapter.

## ***Text and Information Services Messages***

*Text messages* are brief messages that you can enter, send, and receive. You use your number keypad to enter



the message text (refer to "Using the Keypad to Enter Text" on page 45).

*Information Services* are information messages delivered via Broadcast or a Browser service. They can include stock updates, news headlines, and so on. You usually have to subscribe to the service.

Unlike text messages, new information services messages can overwrite old unlocked messages in the information services inbox. If the inbox is full of locked messages, the phone cannot receive any new information services messages.

### ***Reading and Saving Messages***

You can open your message inbox at any time to read the stored text and information service messages.


Before you can use your inbox, you need to set it up. Refer to "Information Services and Text Message Inboxes" on page 138.

**Note:** If you open a message directly from the new message dialog, you can skip the **Find the feature** and **Open msg** steps in the following procedure.

To read a text or information services message:

- Find the feature**
1. Press  and navigate to **Messages**.  
The phone displays the **Message Center**.


To the right of each message type is a count of the new/total messages for that type.

2. Press  to scroll to **Text Msgs** or **Info Srvc**.


3. Press .

If you have one unread text message, your phone opens the unread message.


Otherwise, your phone displays the inbox, sorting messages from newest (highest number) to oldest (number one). The following icons can appear next to the messages:


 unread and urgent

 read

 read and locked


**Open  
msg**


4. Press  to scroll to the message you want to read.

5. Press .


Your phone displays the text message.

**Read or delete msg**



6. Press  to scroll through the message as you read it.

7. Press  to save the message and return to the inbox.


or

Press  to page down through the message, until you get to the end.


**Notes:**

- At the end of the message, the function of the soft key  changes to **Delete**. The phone displays a confirmation dialog before it deletes the message and returns to the **Inbox**.
- Pressing  unlocks a locked message. You cannot delete a locked message unless you unlock it first.

**Exit**

8. Press  to return to the Message Center.

or

Press  to return to the main dialog.

***Reading and Saving QuickView Messages***



*QuickView messages* are brief one- or two-line information service messages that appear in your idle display. They are received from your specified QuickView channel from a broadcast or browser service. Refer to "Information

Services and Text Message Inboxes” on page 138 for instructions on setting up a QuickView channel.





QuickView messages usually carry information such as stock quotes or news updates. When a QuickView message arrives, your phone rings or vibrates just as it does when you receive any new message (unless you set your phone to silent). Rather than displaying a new message dialog, your phone displays the QuickView message itself.

Unlike the new message dialog, QuickView messages only appear when your phone is idle. If you are on a call or performing some other activity with your phone, the phone waits until it is idle before it displays the QuickView message. Also, if a new QuickView message arrives while one is already present, the new one overwrites the old one.

To read or save a QuickView message:

- Single Line msg** When a single-line QuickView message appears, read it and press  to clear your display (returning to idle).
- If you set up your phone to save QuickView messages in your Information Services inbox, the message becomes a read message in your inbox. (Refer to “Information Services and Text Message Inboxes” on page 138.)
  - If you did not set up your phone to save QuickView messages in your Information Services inbox, then pressing  clears the message without saving it.

**Multiple Line msg** When a multiple-line QuickView message appears, you can:

- Press  to clear the message and save it as a read message in your Information Services inbox.
- Press  to clear the message without saving it.
- Press  to scroll through the message to the end.
- Press  at the end of the message to clear it without saving it.


## ***Deleting Messages***

This feature lets you delete some or all of the unlocked text and information services messages in your inbox at once.


You can complete the following procedure or delete messages as described in “Reading and Saving Messages” on page 127.

To delete a message:

**Find the feature**


1. Press  and navigate to:



**Messages** ► **Text Msgs or Info Srvc**


If you have one unread text message, your phone opens the unread message. Press  to view the inbox.

Otherwise, your phone displays the inbox.

**Delete  
msg**


2. Press  to scroll to the message you want to delete.

If the phone displays a locked icon () next to the message you want to delete, you first must unlock the message by opening it and pressing .


3. Press  and navigate to:

**Delete or Delete All**


The phone displays a confirmation dialog.

4. Press  to confirm the deletion and return to the inbox.

**Exit**

5. Press  to return to the Message Center.

or

Press  to return to the main dialog.

### ***Calling Phone Numbers from Messages***


Some text and information services messages include embedded numbers (including the number that sent the message, unless that number is withheld). To dial these numbers, refer to "Dialing from a Text Message" on page 66.


## ***Storing Phone Numbers from Messages***

Some text and information services messages have numbers embedded in them (including the number that sent the message, unless that number is withheld ). You can store these numbers in your phonebook.

To store a number from a message:


### **Find the feature**


1. Press  and navigate to:  
**Messages ► Text Msgs or Info Srvc**


If you have one unread text message, your phone opens the unread message. Press  to view the inbox.

Otherwise, your phone displays the inbox.


### **Use Call Back**


2. Press  to scroll to the message with the number you want to store.



You can press  to open the message if you want to read it.

3. Press .

The phone displays the menu.

4. Press  to scroll to **Store Number**.

5. Press .


If a message has more than one embedded number with no preferred number, the phone displays a list of all the numbers. Press  to scroll to the number you want and press .

The phone displays a new phonebook entry form. Complete the form and store it. For instructions on completing this form, refer to "Storing Phonebook Entries" on page 231.


### ***Going to URLs in Messages***

Some text and information services messages have an embedded WAP URL. To go directly to a URL embedded in a text message:

#### **Find the feature**

1. Press  and navigate to:


**Messages** ► **Text Msgs or Info Srvc**


If you have one unread text message, your phone opens the unread message. Press  to view the inbox.

Otherwise, your phone displays the inbox.




**Select  
msg**


2. Press  to scroll to the message with the URL.


You can press  to open the message and see the URL. The site name or (if name is unavailable) URL appears at the bottom of the message, next to the **Go To** prompt.

**Go to  
URL**



3. Press .

The phone displays the message menu.

4. Press  to scroll to **Go To**.

5. Press .


The phone displays the URL text. For instructions on using your browser, refer to "Browser" on page XX.

6. If the message contains multiple URLs, the phone displays a list. Press  to scroll to the URL you want, and press  to select it.

## ***Replying to Text Messages***


You can reply to a text message from the view display. If you are already viewing the message, you can skip the **Find the feature** and **Select msg** steps below.

### **Find the feature**

1. Press  and navigate to:


**Messages** ► **Text Msgs**

If you have one unread message, your phone opens the unread message.

Press  to view the inbox.


Otherwise, your phone displays the **Text Msg Inbox**.

### **Select msg**

2. Press  to scroll to the message to which you want to reply.

You can press  to read the message.

### **Create reply**

3. Press  and navigate to **Reply**.

The phone displays a new text message, with the message's sender or reply to number in the **To :** field.

4. Complete the text message. For instructions on completing a text message, refer to "Sending a Text Message" on page 113.


## ***Locking and Unlocking Messages***


When a text and information services message is locked, you cannot delete it. This prevents accidental deletions and

keeps your phone's cleanup process from deleting messages you want to keep.

To lock and unlock a message:


**Find the feature**


1. Press  and navigate to:  
**Messages** ► **Text Msgs or Info Srvc**

If you have one unread text message, your phone opens the unread message. Press  to view the inbox.


Otherwise, your phone displays the inbox.

**Select msg**

2. Press  to scroll to the message you want to lock or unlock.


An icon () appears next messages that are locked.

**Lock/Unlock msg**


3. Press .
4. Press  to scroll to **Lock** or **Unlock**.
5. Press .

The phone displays a notification that it locked/unlocked the message and you return to the inbox.

**Exit**

6. Press  to return to the Message Center.

or

Press  to return to the main dialog.

### ***Sending a New Text Message***

For instructions on sending a new text message, refer to “Sending a Text Message” on page 113.

### ***Information Services and Text Message Inboxes***

You can customize how the inboxes for your information services and text message handle messages. You must establish these settings before you can use the inboxes.


### ***Setting Up the Text Message Inbox***

Before you use your text message inbox for the first time, and optionally at later times, you must configure the following settings:

<b>Service Center Number</b>	the service center number for incoming and outgoing messages
<b>Expiration period</b>	the point when the network stops trying to deliver a message you sent that is still unreceived
<b>Reply type</b>	type of replies—text messages, faxes, or other formats
<b>Cleanup</b>	how many days your phone waits or how many messages are kept before the phone automatically deletes messages that are read and unlocked Your phone runs cleanup every night at midnight.

To set up your text message inbox:

**Find the feature**

1. Press  and navigate to:

**Messages**


Your phone displays the **Message Center**.


2. Press  and navigate to:

**Text Msg Setup**

Your phone displays the **Text Msg Setup** form.

**Open Service Center No. editor**

3. Press  to scroll to **Service Center No.**

4. Press  to display the **Service Center No.** field editor.


or

Enter the number you want. The **Service Center No.** editor overwrites the old entry and opens automatically.





**Shortcut:**

If you are already in the text message inbox, press  and select **Setup** to open the setup form.

**Enter  
Service  
Center  
No.**

5. Press  to browse through the numbers in your phonebook or recent calls.

The phone displays a browse menu, containing **Received Calls**, **Dialed Calls**, and **Phonebook**.

Press  to scroll to the list you want, and press  to see the list. Then Press  to scroll to the number you want and press  to select it. Browse is only available before you enter any characters in this field.




or

Use your number keys to enter the number.


or

Press  to cancel.


**Close  
Service  
Center  
No.  
editor**

6. After you have entered digits, you can:
  - Press  to delete digits
  - Press  (with all digits deleted) to cancel
7. Press  to store the number and return to the entry form.


**Open  
Expire  
After  
editor**

8. Press  to scroll to **Expire After**.

The phone displays the default expiration period next to the **Expire After** prompt. If you do not want to change this period, skip to the reply type setup.

9. Press  to display the **Expire After** field editor.



**Enter  
Expire  
After  
date**


10. Press  to delete the numbers in the expire after field.

11. Use the keypad to enter a new number of days for the expiration period.


**Close  
Expire  
After  
editor**

12. After you have entered digits, you can:




- Press  to delete digits
- Press  (with all digits deleted) to cancel

13. Press  to store the number and return to the entry form.





**Change  
Reply  
Type**

14. Press  to scroll to **Reply Type**.


The default entry is SMS (text message). If you do not want to change this entry, skip to the cleanup setup.




15. Press  to display the **Reply Type** field list. Press  to scroll to the item you want and press .

or





Press     to scroll through **Reply Type** field entries without opening the field list.

**Change Cleanup period**

16. Press  to scroll to **Cleanup**.  
If you do not want to change this entry, skip to closing the form.


17. Press  to display the **Cleanup** field list. Press  to scroll to the item you want and press .





or


Press     to scroll through **Cleanup** field entries without opening the field list.

**Custom Cleanup period**



18. If you choose **Custom** as your cleanup option, the phone displays the **Custom** dialog with the number field selected.

Press  to change the entry in the number field.

Press     to switch between the number and the period fields.

Press  to change the entry in the period field.



- Exit**      19. Press  to close the **Text Msg Setup** form and return to the previous dialog.
- or
- Press  to return to the main dialog.

### ***Setting Up the Information Services Inbox—Cell Broadcast***

Before you use your information services message inbox for the first time, and optionally at later times, you must configure the following settings:





<b>Cell Broadcast</b>	<p>These settings apply to technologies that support a point-to-multipoint broadcast service:</p> <ul style="list-style-type: none"> <li>• turning cell broadcasts on or off</li> <li>• specifying the subscription channels</li> <li>• specifying the QuickView channel</li> <li>• specifying whether to save single-line QuickViews to the inbox</li> </ul>
<b>Browser Services</b>	<p>These settings apply to phones that support background browser sessions:</p> <ul style="list-style-type: none"> <li>• turning browser services on or off</li> <li>• specifying the subscription channels/folders by accessing the home page.</li> </ul>

<b>Cleanup</b>	This lets you specify how long your phone waits before it automatically deletes messages that are read and unlocked. You can specify the number of days to wait or the number of messages to keep.
----------------	--

**Shortcut:**  
If you are already in the info services message inbox, press  and select **Setup** ► **Cell Broadcast** to open the setup form.

To set up cell broadcasts for your information services inbox:

**Find the feature**

1. Press  and navigate to **Messages**.  
Your phone displays the **Message Center**.
  2. Press  and navigate to:  
**Info Srvc Setup**  
Your phone displays the **Info Srvc Setup** menu.
  3. Press  to scroll to **Cell Broadcast**.
  4. Press .
- Your phone displays the Cell Broadcast form.

**Turn on/  
off cell  
broadcast**

5. Press **↓** to scroll to **Service**.
6. Press **▶** to display the **Service** field list. Press **↓** to scroll to the setting you want and press **▶**.

or

Press **#** **←** **→** to scroll through **Service** field entries (on and off) without opening the field list.

**Open  
active  
channel  
list**

7. Press **↓** to scroll to **Active Channels**.
8. Press **▶** to open the Active Channels list (sorted by channel number or name).

**Open  
new  
channel  
editor**

9. Open the new channel field editor to add a new channel by completing one of the following:

Press **↓** to scroll to **New Channel** and press **▶**.

or

Press **MENU**, then press **↓** to scroll to **New**, and press **▶**.

**Enter  
new  
channel**

10. Press **▶** to browse through the list of available channels. Press **↓** to scroll to the channel you want and press **▶** to select it. Browse is only available before you enter any characters in this field.




or

Use your number keys to enter the channel number.

or

Press  to cancel.

**Close  
new  
channel  
editor**

11. After you have entered digits, you can:
  - Press  to delete digits
  - Press  (with all digits deleted) to cancel
12. Press  to store the channel and return to the Active Channels list.


**Disable  
an  
active  
channel**

13. Press .
14. Press  to scroll to **Disable** or **Disable All**.


The disable all option disables all active channels. Both options are unavailable if the Active Channels list is empty.

15. Press .


Your phone displays a confirmation message.


16. Press  to confirm the disable and return to the Active Channels list.

**Close  
active  
channel  
list**

17. Press  to return to the Cell Broadcast form.




**Open Quick-View channel editor**

18. Press  to scroll to QuickView.

19. Press .

The phone displays the QuickView channel editor.

**Enter Quick-View channel**

20. Press  to browse through the list of available channels. Press  to scroll to the channel you want and press  to select it. Browse is only available before you enter any characters in this field.

or



Use your number keys to enter the channel number.


or

Press  to cancel.


**Close Quick-View channel editor**




21. After you have entered digits, you can:

- Press  to delete digits
- Press  (with all digits deleted) to cancel



22. Press  to store the channel and return to the Cell Broadcast form.

**Turn on/  
off save  
Q.View**


23. Press  to scroll to **Save Q. View**.  
This setting tells your phone whether you want it to save single-line QuickView messages in your Info Srvc inbox. If not, the phone deletes them when you clear them. Your phone automatically saves multi-line QuickView messages when you clear them.

24. Press  to display the **Save Q. View** field list. Press  to scroll to the setting you want and press .


or

Press   to scroll through **Save Q. View** field entries (yes and no) without opening the field list.

**Exit**

25. Press  to close the Cell Broadcast form (when you finish your changes) and return to the **Message Center**.

or

Press  to return to the main dialog.

## ***Setting Up the Information Services Inbox—General and Personal Broadcast***

Before you use your information services message inbox for the first time, and optionally at later times, you must configure the following settings:

<b>General Broadcast</b>	These settings apply to technologies that support General and Personal Broadcast settings: <ul style="list-style-type: none"><li>• turning cell broadcasts on or off</li><li>• specifying the subscription channels</li><li>• specifying the QuickView channel</li><li>• specifying whether to save single-line QuickViews to the inbox</li></ul>
<b>Personal Broadcast</b>	These settings apply to technologies that support General and Personal Broadcast settings: <ul style="list-style-type: none"><li>• turning personal broadcasts on or off</li><li>• specifying the subscription channels</li><li>• specifying the QuickView channel</li><li>• specifying whether to save single-line QuickViews to the inbox</li></ul>

<b>Browser Services</b>	<p>These settings apply to phones that support background browser sessions:</p> <ul style="list-style-type: none"> <li>• turning browser services on or off</li> <li>• specifying the subscription channels/folders by accessing the home page.</li> </ul>
<b>Cleanup</b>	<p>This lets you specify how long your phone waits before it automatically deletes messages that are read and unlocked. You can specify the number of days to wait or the number of messages to keep. Your phone runs cleanup every night at midnight.</p>

**Shortcut:**  
 If you are already in the info services message inbox, press  and select **Setup** ► **General Bcast** or **Personal Bcast** to open the setup form.


To set up general and personal broadcasts for your information services inbox:

**Find the feature**

1. Press  and navigate to **Messages**.


Your phone displays the **Message Center**.



2. Press  and navigate to **Info Srvc Setup**.


Your phone displays the **Info Srvc Setup** menu.




3. Press  to scroll to **General Bcast** or **Personal Bcast**.

4. Press .



Your phone displays the broadcast form.

#### **Toggle bcast**


5. Press  to scroll to **Service**.


6. Press  to display the **Service** field list. Press  to scroll to the setting you want and press .

or

Press   to scroll through **Service** field entries (on and off) without opening the field list.



#### **Open active channel list**

7. Press  to scroll to **Active Channels**.




8. Press  to open the Active Channels list (sorted by channel number or name).

**Open  
new  
channel  
editor**




9. Open the new channel field editor to add a new channel by completing one of the following:

Press  to scroll to **New Channel** and press .

or

Press , then press  to scroll to **New**, and press .

**Enter  
new  
channel**

10. Press  to browse through the list of available channels. Press  to scroll to the channel you want and press  to select it. Browse is only available before you enter any characters in this field.




or

Use your number keys to enter the channel number.

or


Press  to cancel.


**Close  
new  
channel  
editor**

11. After you have entered digits, you can:
- Press  to delete digits
  - Press  (with all digits deleted) to cancel
12. Press  to store the channel and return to the Active Channels list.

**Disable an active channel**

In the Active Channels list, you can disable active channels as follows:


13. Press .

14. Press  to scroll to **Disable** or **Disable All**.

The disable all option disables all active channels. Both options are unavailable if the Active Channels list is empty.


15. Press .

Your phone displays a confirmation message.

16. Press  to confirm the disable and return to the Active Channels list.


**Close active channel list**

In the Active Channels list, you can return to the broadcast form as follows:

17. Press  to return to the broadcast form.

**Open Quick-View channel editor**




In the broadcast form, you can set up your QuickView channel as follows:

18. Press  to scroll to **QuickView**.

19. Press .

The phone displays the QuickView channel editor.

**Enter Quick-View channel**

20. Press  to browse through the list of available channels. Press  to scroll to the channel you want and press  to select it. Browse is only available before you enter any characters in this field.




or

Use your number keys to enter the channel number.


or




Press  to cancel.

**Close Quick-View channel editor**



21. After you have entered digits, you can:
- Press  to delete digits
  - Press  (with all digits deleted) to cancel
22. Press  to store the channel and return to the broadcast form.

**Turn on/off save Q.View**


23. Press  to scroll to **Save Q. View**. This setting tells your phone whether you want it to save single-line QuickView messages in your Info Srvc inbox. If not, the phone deletes them when you clear them. Your phone automatically saves multi-line QuickView messages when you clear them.

24. Press  to display the **Save Q. View** field list. Press  to scroll to the setting you want and press .


or

Press   to scroll through **Save Q. View** field entries (yes and no) without opening the field list.

**Exit**

25. Press  to close the broadcast form (when you finish your changes) and return to the **Message Center**.

or

Press  to return to the main dialog.





### ***Setting Up the Information Services Inbox—Browser Services***

Before you use your information services message inbox for the first time, you must configure the settings to turn browser services on and off and to let you specify the subscription channels/folders.







**Shortcut:** If you are already in the info services message inbox, press  and select **Setup** ► **Browser Services** to open the setup form.

To set up browser settings for your information services inbox:



**Find the feature**

1. Press  and navigate to **Messages**.  
Your phone displays the **Message Center**.
2. Press  and navigate to **Info Srvc Setup**.  
Your phone displays the **Info Srvc Setup** menu.
3. Press  to scroll to **Browser Services**.
4. Press .

**Turn on/off browser services**


5. Press  to scroll to **Service**.
  6. Press  to display the **Service** field list. Press  to scroll to the setting you want and press .
- or
- Press   to scroll through **Service** field entries (on and off) without opening the field list.

**Set up  
browser  
services  
options**


7. Press  to scroll to **Options**.
8. Press  to display the Options form.

Your browser services options are stored entirely on your network, and your network provider determines which options you have. For more information about these options, contact your network provider.

**Exit**

9. Press  to close the browser services form and return to the **Message Center**.

or

Press  to return to the main dialog.

***Setting Up the Information Services  
Inbox—Cleanup***



Before you use your information services message inbox for the first time, you must configure the cleanup settings to specify:

- how long your phone waits before it automatically deletes messages that are read and unlocked
- the number of days to wait or the number of messages to keep





Your phone runs cleanup every night at midnight.

To set up cleanup settings for your information services inbox:



**Find the feature**

1. Press  and navigate to **Messages**.  
Your phone displays the **Message Center**.
2. Press  and navigate to **Info Srvc Setup**.  
Your phone displays the **Info Srvc Setup** menu.





**Change Cleanup period**

3. Press  to scroll to **Cleanup**.
4. Press  to display the **Cleanup** field list. Press  to scroll to the item you want and press .



or

Press   to scroll through **Cleanup** field entries without opening the field list.

**Custom Cleanup period**

5. If you choose **Custom** as your cleanup option, the phone displays the **Custom** dialog with the number field selected.
  - Press  to change the entry in the number field.
  - Press   to switch between the number and the period fields.
  - Press  to change the entry in the period field.



- Exit**
6. Press  (when you finish your changes) to return to the **Message Center**.
- or
- Press  to return to the main dialog.



## ***VoiceMail Messages***

You can use your phone to quickly access your VoiceMail messages. Your phone notifies you of new VoiceMail messages and lets you dial a preset VoiceMail access number.


### ***Storing the VoiceMail Number***





Once you store your VoiceMail system's number, you can call your VoiceMail immediately from the **New VoiceMail Message** notification.

To store your VoiceMail number:

- Find the feature**
1. Press  and navigate to **Messages**.  
Your phone displays the **Message Center**.
  2. Press  and navigate to **VoiceMail Setup**.  
Your phone displays the **VoiceMail No. editor**.

**Enter  
Voice-  
Mail  
number**

3. Press  to browse through the numbers in your phonebook or recent calls. The phone displays a browse menu, containing **Received Calls**, **Dialed Calls**, and **Phonebook**.

Press  to scroll to the list you want, and press  to see the list. Then press  to scroll to the number you want, and press  to select it. Browse is only available before you enter any characters in this field.





or

Use your number keys to enter the number.

or

Press  to cancel.

**Exit**


4. After you have entered digits, you can:
- Press  to delete digits
  - Press  (with all digits deleted) to cancel
5. Press  to store the number and return to the **Message Center**.
6. Press  to return to the main dialog.

***Listening to VoiceMail Messages***

You can call your VoiceMail at any time to listen to the messages stored there.



To listen to VoiceMail messages:

**Find the feature**

1. Press  and navigate to **Messages**.

The phone displays the **Message Center**.

To the right of each message type is a count of the new/total messages for that type.

2. Press  to scroll to **VoiceMail**.
3. Press .

Your phone dials your preset VoiceMail number and your VoiceMail connects.

If you have not stored your VoiceMail number yet, refer to "Storing the VoiceMail Number" on page 159.

**Manage Voice-Mail**

4. Use the functions specific to your VoiceMail system to listen to and manage your messages. For more information, contact your network provider.

## **Quicknotes**

QuickNotes are small, pre-written messages that you can select, edit, and send, for example **what time is ....**

You can also create your own QuickNotes. If a QuickNote matches what you want to say, you can save time by selecting it to start your message.

## **Reading and Sending QuickNotes**

To read and send QuickNotes, refer to "Sending a Message With a QuickNote" on page 113.

### **Creating a New QuickNote**



You can create your own QuickNote to capture a message that you frequently send. To create your own QuickNote:

#### **Find the feature**

1. Press  and navigate to:

Messages ► QuickNotes

Your phone displays the QuickNotes menu.

2. Press  to scroll to **New QuickNote** and press . The phone displays the QuickNote editor.






or

Press , press  to scroll to **New**, and press . The phone displays the QuickNote editor.

#### **Enter Quick-Note text**

3. Use your keypad to enter the QuickNote text. For instructions on entering text with your keypad, refer to "Using the Keypad to Enter Text" on page 45.




**Exit**

4. Press  to store your QuickNote and return to the QuickNotes menu.  
or  
Press  to delete letters (press  with all digits deleted to cancel).
5. Press  to return to the Message Center.  
or  
Press  to return to the main dialog.

***Editing a QuickNote***

You can edit an existing QuickNote if you want to change its text. To edit a QuickNote:


**Find the feature**

1. Press  and navigate to:  
**Messages** ► **QuickNotes**  
Your phone displays the **QuickNotes** menu.
2. Press  to scroll to the QuickNote you want to edit.
3. Press  and navigate to:  
**Edit**  
The phone displays the QuickNote editor.



**Edit Quick-Note text**


4. Use your keypad to edit the QuickNote text. For instructions on entering text with your keypad, refer to "Using the Keypad to Enter Text" on page 45.

**Exit**


5. Press  to store your QuickNote and return to the QuickNotes menu.

or

Press  to delete letters (press  with all digits deleted to cancel).

6. Press  to return to the Message Center.

or

Press  to return to the main dialog.

**Deleting a QuickNote**


If you have QuickNotes that you never use, you can delete them from your list. To delete a QuickNote:


**Find the feature**


1. Press  and navigate to:  
**Messages** ► **QuickNotes**

Your phone displays the **QuickNotes** menu.


**Delete the Quick-Note**



2. Press  to scroll to the QuickNote you want to delete.

3. Press  and navigate to **Delete**.

4. Press .

Your phone displays a delete confirmation.

5. Press  to confirm the delete and return to the QuickNote menu

- Exit**
6. Press  to return to the Message Center.  
or  
Press  to return to the main dialog.

## ***The Outbox***

Your phone's outbox stores your most recent sent messages. You can look in the outbox to re-read messages and check their status—read, sent, sending, or failed. You can even re-send them.

### ***Viewing, Resending, or Creating Messages in the Outbox***

When you open your outbox, you can read your messages, check their status, or resend them.

**Note:** Every five minutes, your phone automatically resends any undelivered messages in the outbox. If it succeeds, it displays a Sent Message confirmation.

#### **Find the feature**

1. Press  and navigate to:


Messages ► Outbox

Your phone displays the **Message Outbox** list, sorting messages from newest (highest number) to oldest (number one).


The following icons can appear next to messages:

 read       sending  
 sent       failed

**Select  
or  
create  
msg**




2. Press  to scroll to the message you want to read.

or

To create a new message, press  and navigate to **New**.

The phone displays a blank new message form. For instructions on completing this form, refer to “Sending a Text Message” on page 113.

**Read  
msg**


3. Press .
4. Press  to scroll through the message as you read it.
5. Press  to save the message and return to the outbox.


or





**Resend  
msg**


To resend the message:

- a. Press  to page down through the message, until you get to the end.


At the end of the message,  becomes **Resend**.

- b. Press  to resend the message. The phone displays a confirmation dialog before it resends the message.
- c. Press  to confirm the resend and return to the outbox.

**Exit**

6. Press  to return to the Message Center.

or

Press  to return to the main dialog.

### ***Deleting Outbox Messages***

You can delete one or all of the messages in your outbox with a single command:

**Find the  
feature**

1. Press  and navigate to:


**Messages**  **Outbox**

Your phone displays the **Message Outbox** list, sorting messages from newest (highest number) to oldest (number one).

The following icons can appear next to messages:

 read       sending  
 sent       failed

**Delete  
one or  
all msgs**

2. Press  to scroll to the message you want to delete.


or


To delete all messages:

- a. Press  and navigate to:

**Delete All**


The phone displays a delete confirmation.

- b. Press  to confirm the delete and return to your outbox.


3. Press  and navigate to:

**Delete**


Your phone displays a delete confirmation.

4. Press  to confirm the delete and return to your outbox.

**Exit**

5. Press  to return to the Message Center.

or

Press  to return to the main dialog.

## Setting Outbox Cleanup


Your outbox can automatically clean itself by deleting old messages. Your cleanup settings let you specify how long your phone waits before it cleans up the outbox. You can specify the number of days to wait or the number of messages to keep. Your phone runs cleanup every night at midnight.

To set up cleanup settings for your outbox:

### Find the feature





1. Press  and navigate to **Messages**.

Your phone displays the **Message Center**.




2. Press  and navigate to **Outbox Setup**.

Your phone displays the **Outbox Setup** menu.




### Change Cleanup period

3. Press  to scroll to **Cleanup**.
4. Press  to display the **Cleanup** field list. Press  to scroll to the item you want and press .



or

Press    to scroll through **Cleanup** field entries without opening the field list.

**Custom Cleanup period**

5. If you choose **Custom** as your cleanup option, the phone displays the **Custom** dialog with the number field selected.
  - Press  to change the entry in the number field.
  - Press  to switch between the number and the period fields.
  - Press  to change the entry in the period field.

**Exit**

6. Press  (when you finish your changes) to return to the **Message Center**.  
or  
Press  to return to the main dialog.

## ***The Drafts Folder***

If you create a message (or start to create one) and you do not want to send it yet, you can save it to your drafts folder. Once a message is in your drafts folder, you can read, edit, or send it whenever you like.





### ***Saving a Message***

If you are creating a message, you can use the context menu to save it as a draft.

There are several ways to create or edit a message. For instructions on creating a text message from your phone's idle state, refer to "Sending a Text Message" on page 113.


The following procedure assumes that you are already have a message form.

To save a message as a draft:


- Close msg**
1. From the message form, press  to indicate that you are done with the message for now.  
The phone displays a **Send Message** confirmation dialog.
- Save to drafts**
2. Press  to cancel the send.  
The phone displays the **Send Message?** menu.
  3. Press  to scroll to **Save to Drafts**.
  4. Press .
- The phone displays a saved confirmation message and returns you to your previous display.

### ***Viewing, Editing, Sending, or Creating Messages***


You can read, edit, or send the messages in your drafts folder at any time.

- Find the feature**
1. Press  and navigate to:  
**Messages ► Drafts Folder**  
Your phone displays the **Drafts** list, sorting messages from newest (highest number) to oldest (number one).

**Select  
or  
create  
msg**


2. Press  to scroll to the message you want to read, edit, or send.

or


To create a new message, press  and navigate to **New**.


The phone displays a blank new message form. For instructions on completing this form, refer to “Sending a Text Message” on page 113.

**Read or  
edit msg**


3. Press .

Your phone displays the message form.

4. Press  to scroll to the **Msg** field.



5. Press .

Your phone displays the text message.



6. Press  to scroll through the message as you read it.

or


**Edit  
msg**

To edit the message, press   to move your cursor and use your keypad to enter text.


For instructions on entering text with your keypad, refer to “Using the Keypad to Enter Text” on page 45.

7. Press  to save the message text and return to the message form.
8. Press  to scroll to other fields in the form, if you want to.


**Send,  
save, or  
delete  
msg**

9. Press  when you are done with the message.



The phone displays a confirmation dialog.

10. Press  to send the message and return to the drafts folder.

or


Press  to choose from the **Send Message** menu (Save to Drafts or Do not Save) and return to the Drafts folder.

**Note:** If you choose to save a message that you opened from the drafts folder, the old copy remains, and the new copy is another draft message.

- Exit**
11. Press  to return to the Message Center.  
or  
Press  to return to the main dialog.


### ***Deleting Draft Messages***

You can delete one or all of your drafts with a single command.

- Find the feature**
1. Press  and navigate to:  
**Messages ► Drafts Folder**  
Your phone displays the **Drafts** list, sorting messages from newest (highest number) to oldest (number one).



**Delete  
one or  
all msgs**

2. Press  to scroll to the message you want to delete.


or

To delete all messages:

a. Press  and navigate to:

**Delete All**


The phone displays a delete confirmation.

b. Press  to confirm the delete and return to your outbox.


3. Press  and navigate to:

**Delete**


Your phone displays a delete confirmation.

4. Press  to confirm the delete and return to your drafts folder.

**Exit**

5. Press  to return to the Message Center.

or

Press  to return to the main dialog.

## ***Synchronizing Messages with PIM Software***

You can synchronize your phone with PIM (Personal Information Management) software to let you edit your messages away from your phone.

Using PIM software, you can create and change text messages both on your phone and on a separate computer. Then you can connect the two and update them both with the most current entries.

The Motorola Accessories (refer to page XX) group defines the correct PIM software for your phone.


## ***Checking Memory and Cleaning Up All Messages***

You can quickly check the memory for your whole message center, as well as clean up your whole message center at once.

### ***Message Center Overall Memory***


In addition to checking the number of messages in your individual message boxes, you can quickly check the amount of overall message center memory available on your phone. To check overall memory:

#### **Find the feature**



1. Press  and navigate to **Messages**.

Your phone displays the **Message Center**.

#### **Check memory**

2. Press  and navigate to **Memory Meter**.




Your phone displays the Memory Meter gauge.



- Exit**
3. Press  to return to the Message Center menu.
- or
- Press  to return to the main dialog.

### ***Message Center Cleanup***

You can set cleanup preferences in each of your message boxes. For instance, you can tell your text inbox to delete messages that are more than three days old.

Every night at midnight, your phone checks your message boxes for messages that it should delete, based upon the preference you set. If you want your phone to clean up old messages during the day, you can run this check manually:

- Find the feature**
1. Press  and navigate to **Messages**.  
Your phone displays the **Message Center**.
- Check memory**
2. Press  and navigate to **Cleanup All**.  
Your phone displays a **Cleanup All** confirmation dialog.
  3. Press  to confirm the cleanup and return to the Message Center menu.

- Exit**
4. Press  to return to the Message Center.
- or
- Press  to return to the main dialog.

## ***Troubleshooting***

You may encounter some errors when working with your messages. This section describes some common errors and their resolutions.


### ***Memory Low or Memory Full Errors***

**Low memory**—When your phone displays a new message dialog, it may also tell you that your memory is low, that is, the new message brings your phone's memory to 85% capacity.

**Full memory**—When your phone displays a new message dialog, it may also tell you that your memory is full. You may also see a display that tells you messages are waiting on the network but cannot be delivered because your memory is full.

**Note:** If your memory is too full to accept a long message and a short message arrives, your phone accepts the short message while the long one is waiting.

Try the following to free up some memory:

- Run an overall message center cleanup. Refer to “Message Center Cleanup” on page 177. If your memory is still full, your phone displays a flashing message icon () at the top of your idle display. To

check your message memory, refer to "Message Center Overall Memory" on page 176.

- If memory errors persist or quickly reappear, delete some or all of the messages from your individual message boxes. Refer to the procedures for these message boxes for detailed instructions.

### **Other Errors**

**Cannot Delete a Locked Message**—If you try to delete a locked message, your phone displays this error. You must unlock the message from the message center's context menu before you delete it. For more details, refer to "Locking and Unlocking Messages" on page 136.

**No Messages**—If you try to check a message box that contains no messages, your phone displays this notice.

**No Number (VoiceMail)**—If you try to automatically call your VoiceMail before you have stored your VoiceMail number, your phone displays a No Number error.

**No Reply Address**—If you try to reply to a message that has no reply address, your phone displays this error. You must create a new blank message and fill in the destination.

**Unable to Send**—If network conditions prevent your phone from sending a message when you tell it to, your phone displays this error. Your phone then displays a notice that your message is saved in your outbox, and that your phone will try to send the message later. Your phone tries to send unsent messages every five minutes. To open your outbox and see the message, refer to "Viewing, Resending, or Creating Messages in the Outbox" on page 165.

## **Phone Status**

---

Phone Status displays your phone number, credit information, and current battery level. It also allows you change your active phone number on two-line phones.

This chapter describes how to:




- display your phone number
- display credit information
- display the active telephone number if you have a two-line phone
- change the current telephone line
- display the battery charge level

### **Menu Features**

<b>Phone Status Menu</b>	
My Tel Number	Displays phone's number
Credit Available	Displays credit available
Credit Info	optional item
Phone	Phone's current active line
Signal Strength	Displays relative signal strength
Battery Meter	Displays relative battery strength
Other Information	Displays phone specific information




## ***Displaying Your Phone Number***

To display your own phone number:

- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>My Tel. Number</b> .               |
| <b>Show number</b>      | 2. Press  to select <b>My Tel. Number</b> . Your phone number is displayed. |
| <b>Exit</b>             | 3. Press  to exit.  |









## ***Displaying Credit Information***

If you use a pre-pay option with your phone, you can view your available credit, its expiration date, and the date of the last deposit. To view credit information:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>Credit Info</b> .                     |
| <b>Display credit</b>   | 2. Press  to select <b>Credit Info</b> . Your credit information is displayed. |
| <b>Exit</b>             | 3. Press  to exit.   |

## ***Displaying and Changing Your Active Phone Number***









You can view and change the way your phone number is displayed at any time. To change the display for a single line phone:

- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>My Tel No.</b>   |
| <b>Show number</b>      | 2. Press  to select <b>My Tel No.</b> Your phone number is displayed.   |
| <b>Change name</b>      | 3. Press  to scroll to the <b>Name</b> line.<br>4. Enter the new name.<br>5. Press  to confirm the new name.<br>6. Press  to exit.  |
| <b>Change number</b>    | 7. Press  to scroll down to the phone number on the next line.<br>8. If your carrier has provided a new phone number, you can update the phone number listed here.<br>9. Press  to confirm the new number display. |
| <b>Exit</b>             | 10. Press  to exit.   |

To change the display for a two-line phone:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  to navigate to the feature <b>My Tel. Number</b> |
|-------------------------|---|





- |                           |   |
|---------------------------|---|
| <b>Find number</b>        | 2. Press  to select <b>My Tel. Number</b> . Your phone numbers are displayed.  |
| <b>Select number</b>      | 3. Press  to scroll between <b>Edit Line 1</b> or <b>Edit Line 2</b> .<br>4. Press  to select a phone line.   |
| <b>Change number</b>      | 5. Press  to scroll down to the phone number on the next line.<br>6. Edit the phone number, if necessary, and press  to confirm the new number display.   |
| <b>Change next number</b> | 7. Press  to scroll down to the phone number on the next line.<br>8. Edit the phone number, if necessary, and press  to confirm the new number display. |
| <b>Exit</b>               | 9. Press  to exit.   |

## ***Changing the Current Phone Line***







With a two-line phone, you can place or receive calls from either of the available numbers.

**Note:** If you have added a name to Line 1 or Line 2, your phone displays the name, in addition to the telephone number, instead of the Line 1 or Line 2 label.

To view the current active number:

- Find the feature** 1. Press  and navigate to the feature **My Tel. Number**.
- Show number** 2. Press  to select **My Tel. Number**. Your phone number is displayed.

To change the active number for a two-line phone:

- Find the feature** 1. Press  and navigate to the feature **My Tel. Number**.
- Change current number** 2. Press  to scroll down to **Line 1**. Press  to change the number. Your phone displays the **Phone Out** menu, listing the phone numbers you can activate for making and receiving calls. **Phone Out** indicates the active phone number for incoming and outgoing calls.
- Accept the new number** 3. Press  to highlight the number you want to use as the current line.
4. Press  to select the number. The selected line is displayed as the current **Phone Out**. When you return to the **Phone Status** menu, this number is listed as your current phone number.
- Exit** 5. Press  to exit.


## **Displaying the Battery Charge Level**

The battery meter on the phone display provides basic information about the battery charge level.

If you would like more detailed information about your battery's current state, then display the **Phone Status** battery meter.

To display the battery meter:


**Find the feature** 1. Press  and navigate to the feature **Battery Meter**.

**Show Battery Meter** 2. Press  to select the battery meter.

The phone displays the batter meter. The Battery Meter shows the available charge in a power strip display. The more segments visible, the greater the charge.



If you have installed the wrong battery, the phone displays an **Invalid Battery** message.

**Exit** 3. Press  to exit.

## ***Initial Setup***

---

Your phone comes equipped with many factory defaults. You can set up many features according to your own preference. They include:

- setting the time and date
- setting the phonebook for one touch dialing
- activating automatic redialing
- adjusting the display backlight
- adjusting the status light
- changing the zoom setting
- changing scrolling behavior
- turning animation on and off
- setting a language preference
- setting battery charge conservation preferences
- adjusting the DTMF Setting
- master reset
- master clear

## Menu Features

Initial Setup Menu	
Time and Date	
Time	
1 Touch Dial	
Auto Redial	
Backlight	
Status Light	
Zoom Setting	
Scroll	
Animation	
Language	
Preferred Card	
Battery Save	
DTMF	
Master Reset	
Master Clear	


### Changing the Time and Date


You can change the actual time, the format in which the time is displayed, and the date displayed on your phone.

#### Changing the Time


To change the time:

- Find the feature**
1. Press  and navigate to the feature **Initial Setup**.
  2. Press  to open the **Initial Setup Menu**.

3. Press  to scroll to **Time and Date**.


4. Press  to open the **Time and Date** display.

**Change time**

5. Press  to scroll to the time display.


6. Press  to **CHANGE** the time.  
The hour display is highlighted.

**Change hour**


7. Press  to scroll to the hour you want to select.

or

Enter the hour using the keypad numbers.


8. Press  to accept the change and move to the minute display.

**Change minutes**


9. Press  to scroll to the minutes you want to select.


or

Enter the minutes using the keypad numbers.

10. Press  to accept the change and move to the format display.


**Change format**

11. Press  to select **pm** or **24 hr**.

12. Press .

**Note:**

- If you change the display from **am** or **pm** to **24 hr**, the phone immediately displays time in the 24 hour format.
- If you change from **24 hr** format to **am** or **pm**, the phone immediately displays time in the 12 hour format.



**Exit** 13. Press  to exit.

The phone displays the changed time message for a few seconds, then returns to the **Time and Date** menu line.

If you want to set the date next, remain in the **Time and Date** menu.



### ***Changing the Date***

To change the date:



- Display the date**
1. While you are in the **Time and Date** menu, press  to highlight the date display.
  2. Press .

The month is highlighted.



**Change  
the  
month**

3. Press  to scroll to the month you want to select.  
or  
Use the keypad numbers to enter the month.  
Press  to accept the change and move to the day display.





**Change  
the day**

4. Press  to scroll to the day you want to select.  
or  
Use the keypad numbers to enter the day.  
Press  to accept the change and move to the year display.

**Change  
the year**

5. Press  to scroll to the year you want to select.  
or  
Use the keypad numbers to enter the year.  
Press  to accept the change.  
The phone displays the new date.







- Change the format**
6. Highlight the date.
  7. Press .
  8. Press  to scroll through the date format menu. Select month first, day first, or month abbreviation.
  9. Press .
- Exit**
10. Press  to exit.

## ***Setting the Phonebook for One-Touch Dialing***

You can change the setting for one-touch dialing so that the turbo dial keys are synchronized with the first nine speed dial locations in your phonebook.

To set up one touch dialing:

- Find the feature**
1. Press  and navigate to the feature **Touch Dial** under the **Initial Setup** menu.
  2. Press .
- Select a setting**
3. Press  to scroll to **Phone** to synchronize one-touch dialing with your phonebook.
- or**
- Press  to scroll to **SIM** to synchronize one touch dialing with the SIM's phonebook.

or

Press **■** to scroll to **Fixed Dial** to synchronize one-touch dialing with the SIM.

4. Press **▶**.

**Exit**

5. Press **◀** to exit.

## ***Adjusting Automatic Redial***

Sometimes you may not be able to complete a call because the wireless system is busy. When this happens, you hear a fast busy signal.

With Automatic Redial, your phone automatically redials a call that originally fails due to network conditions. To turn Auto Redial on or off:

**Find the feature**

1. Press **MENU** and navigate to the feature **Automatic Redial** under the **Initial Setup** menu.

2. Press **▶**.

The **Auto Redial** menu is displayed.

**Change the setting**

3. Press **■** to toggle between **Auto Redial On** or **Off**.

4. Press **▶**.

The phone briefly displays the new setting.

**Exit**

5. Press **◀** to exit.

## **Adjusting the Display Backlight**

Most phones can sense the amount of ambient light.


- If there is enough light for you to see the display, the backlight is turned off.
- If there is *not* enough light, the backlight automatically turns on to illuminate the display.

You can, however, adjust the backlight display at any time.

To adjust the backlight display:


### **Find the feature**


1. Press  and navigate to the feature **Backlight Display** under the **Initial Setup** menu.

2. Press .

The **Backlight** menu is displayed.

### **Change the setting**

3. Press  to scroll through the menu to select **Off** or the length of time the backlight remains on, ranging from five seconds to continuous.

4. Press .

The phone briefly displays the new setting.






### **Exit**

5. Press  to exit.

## ***Adjusting the Status Light***

A status light is available on top of the phone to provide status information on your current type of service and message status. See "Status Light" for more details.



You may want to turn the Status Light off to conserve battery power or turn it back on to display status. Follow these steps:




- |                           |   |
|---------------------------|---|
| <b>Find the feature</b>   | 1. Press  and navigate to the feature <b>Status Light</b> under the <b>Initial Setup</b> menu. |
|                           | 2. Press  .  |
| <b>Change the setting</b> | 3. Press  to toggle the setting <b>ON</b> or <b>OFF</b> .                                      |
|                           | 4. Press  .  |
| <b>Exit</b>               | 5. Press  to exit.   |

## ***Changing the Zoom Setting***


Your phone can display either three or four lines of display. In both cases, the bottom line displays the Soft Key information. The Zoom setting allows you to switch between the three or four line-display.

To change the zoom setting:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>Zoom</b> under the <b>Initial Setup</b> menu. |
|                         | 2. Press  .  |

- Change the setting**
3. Press  to toggle the settings between 3-Line and 2-Line.
  4. Press .
- The phone briefly displays the new setting.
- Exit**
5. Press  to exit.




## Changing Scrolling Behavior

You can select one of two scrolling behaviors for navigating up and down a menu list with the  key:

<b>Up/Down</b>	The cursor stops when it reaches the top or bottom of the items displayed on the screen.
<b>Wrap Around</b>	<p>The cursor <i>wraps</i> around when it appears at the top. It then appears at the bottom of the display.</p> <p>The cursor <i>wraps</i> around when it appears at the bottom. It then appears at the top of the display.</p>

To change the scrolling behavior:

- Find the feature**
1. Press  and navigate to the feature **Scroll** under the **Initial Setup** menu.
  2. Press .





- Change setting**
3. Press  to scroll to **Up/Down** or **Wrap Around**.
  4. Press .
- The phone briefly displays the new setting.
- Exit**
5. Press  to exit.


## **Turning Animation On and Off**

Animation helps give context to menu items. It provides smooth scrolling within and between text fields and highlights menu selections and soft key choices. When animation is turned off, the cursor jumps from field to field, rather than moving between them.

You can conserve battery life by turning the animation feature off.

To change the animation setting:

- Find the feature**
1. Press  and navigate to the feature **Animation** under the **Initial Setup** menu.
  2. Press .
- Change the Setting**
3. Press  to toggle the setting between **ON** and **OFF**.
  4. Press .
- The phone briefly displays the new setting.


**Exit** 5. Press  to exit.


## **Setting a Language Preference**

Some phones support multiple languages and include a language setting. By default, your phone is set to the language of the country where it is sold.

To change the language setting:


### **Find the feature**

1. Press  and navigate to the feature **Language** under the **Initial Setup** menu.

2. Press .


The phone displays a list of all available language settings.


### **Change the setting**

3. Press  to scroll to the preferred language setting.

If your phone contains a SIM chip and you want to use the language identified on the SIM, you can select **Automatic**.

All languages are listed with spelling and characters that are unique to the language. For example, Spanish is listed as **Español** and Turkish is listed as **Türkçe**.






4. Press .

**Exit** 5. Press  to exit.

## **Setting Battery Charge Conservation Preferences**

Some networks and phones include a battery save setting to conserve battery power.

To change the battery save setting:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>Battery Save</b> under the <b>Initial Setup</b> menu. |
|                         | 2. Press  .  |
| <b>Change setting</b>   | 3. Press  to toggle between <b>ON</b> and <b>OFF</b> .   |
|                         | 4. Press  .  |
|                         | The phone briefly displays the changed setting.   |
| <b>Exit</b>             | 5. Press  to exit.   |






## **Adjusting the DTMF Setting**

You can enter digits and send them as Dual Tone Multi-Frequency tones (DTMF) tones. Your phone transmits DTMF tones when you press a key on the keypad. These tones are used to access automated calling systems, such as credit card entry, password entry, or number linking. Refer to "Sending Tones" on page XX for more information on using DTMF tones.

Your phone can send the DTMF transmission to the network in long or short form.



To change the DTMF setting:





- |                           |   |
|---------------------------|---|
| <b>Find the feature</b>   | 1. Press  and navigate to the feature <b>DTMF</b> under the <b>Initial Setup</b> menu. |
|                           | 2. Press  .  |
| <b>Change the setting</b> | 3. Press  to toggle between <b>Short</b> or <b>Long</b> .                              |
|                           | 4. Press  .  |
|                           | The phone briefly displays the new setting.   |
| <b>Exit</b>               | 5. Press  to exit.   |

## ***Master Reset***

Use the master reset feature to reset all user-selectable options back to their original factory settings. All of the original settings are restored except for the unlock code and security code.

**Note:** The wireless network controls and takes priority over some of your phone's settings. For example, call forwarding settings are controlled by the network. If your phone is reset to the factory default **Call Forwarding: Off**, but if the network setting is **On**, the network setting takes precedence over the phone's new setting. To use the master reset:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  and navigate to the feature <b>Master Reset</b> under the <b>Initial Setup</b> menu. |
|                         | 1. Press  .  |

- |                        |  |
|------------------------|--|
| <b>Security Code</b>   | 2. Enter your security code.   |
|                        | 3. Press  to accept the code.             |
| <b>Reset the phone</b> | 4. The phone displays a confirmation message: <b>Reset All Phone Settings?</b>   |
|                        | 5. Press  to change all settings.         |
|                        | or   |
|                        | Press  to cancel the request.             |
|                        | The phone briefly displays a <b>Completed: Phone Settings</b> message and returns you to the <b>Initial Settings</b> menu. |
| <b>Exit</b>            | 6. Press  to exit.                       |

## **Master Clear**







If you want to start over, use Master Clear to reset all user-selectable options, clear the resettable timer and recent call lists, and erase all Phonebook information. The master clear feature also resets the phone, except for the unlock and security codes, to the factory defaults.

**Note:** The wireless network controls and takes priority over some of your phone's settings. For example, call forwarding settings are controlled by the network. If your phone is reset to the factory default **Call Forwarding: Off**, but if the network setting is **On**, the network setting takes precedence over the phone's new setting.

**Note:** The master clear feature does *not* delete information stored on a SIM card, such as phonebook entries, fixed dial

entries, messages, language preferences, network lists, and call cost information.

To use the master clear feature:

- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press  and navigate to the feature <b>Master Clear</b> under the <b>Initial Setup</b> menu.</li><li>1. Press .</li></ol>  |
| <b>Security Code</b>    | <ol style="list-style-type: none"><li>2. Enter your security code.</li><li>3. Press .</li></ol>   |
| <b>Clear the data</b>   | <ol style="list-style-type: none"><li>4. The phone displays a message: <b>Clear All Phone Data?</b></li><li>5. Press  to clear the data.<br/><b>or</b><br/>Press  to cancel the request.<br/>The phone briefly displays a <b>Completed: Phone Settings</b> message and returns you to the Initial Settings menu.</li></ol> |
| <b>Exit</b>             | <ol style="list-style-type: none"><li>6. Press  to exit.</li></ol>  |

## ***In-Call Settings***

---

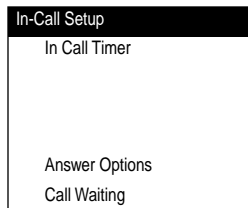
You can use your phone's timer to view the length and cost of your calls, you can switch between a current call and an incoming call, and you can answer a call by pressing any key (or just opening the phone).

Use the in-call settings to customize your preferences for these options, or to just turn them on and off.

In this chapter you will learn how to:

- set up your call timer display and alert
- turn answering options on or off
- turn call waiting on or off

### ***Menu Features***



### ***Setting Up In-Call Timers***


Your phone can keep track of the length and cost of your calls. If you want, it can show you a running timer whenever you are on the phone. It can also notify you when a call reaches a specified time limit.

This feature lets you indicate which timer you would like to see during your calls, if any. The following timers are available:

<b>Timer</b>	<b>Description</b>
<b>Time</b>	shows the time elapsed for the current call
<b>Cost</b>	shows the cost of the current call This feature is only available if you subscribe to call cost features or advice of charge. For information about setting call cost, refer to "Call Cost" on page xx.
<b>Total Cost</b>	shows the cost of all calls since the last time you reset the timer This feature is only available if you subscribe to call cost features or advice of charge. For information about setting call cost, refer to "Call Cost" on page xx.
<b>Credit Available</b>	shows how much credit you have left This feature is only available if you subscribe to call cost features or advice of charge.
<b>Off</b>	no in-call display for the timer

To set up your in-call timer





**Find the feature**

1. Press  and navigate to:  
**Settings** ► **In-Call Setup** ► **In-Call Timer**



**Note:** On some systems, **In-Call Timer** may be called **In-Call Setup**.

The phone shows the in-call timer form.


**Select timer display**

2. Press  to scroll to **Display**.
3. Press  to see the **Display** field list. Press  to scroll to the item you want and press .


or


Press   to scroll through **Display** field entries without opening the field list.

**Select  
timer  
alert**


4. Press  to scroll to **Beep**.

**Note:** On some systems, **Beep** may be called **Beep Timer**.



5. Press  to see the **Beep** field list.

6. Press  to scroll to the item you want.

If you select a beep interval from this list, your phone beeps once when a call reaches that interval.


7. Press  to select the option.

- If you selected a beep interval, the phone displays the field editor.


Enter any number of seconds (1-999) to change your beep interval. Use  to delete digits, and  to store them and return to the in-call timer form.

- If you selected **Off**, the phone does not beep to indicate an interval during your calls. You return to the In-call timer form.

**Exit**

8. Press  to return to the in-call setup menu.

## ***Turning Answer Options On or Off***

When your phone rings, you can answer it by pressing . You can also answer a call by pressing any key (the

Multikey option) or by opening the flip when it is closed (the **Open to Answer** option).





To set up your answer options:

**Find the feature**



1. Press  and navigate to:  
**Settings** ► **In-Call Setup** ► **Answer Options**

The phone displays the answer options form.





**Toggle multi-key answer**

2. Press  to scroll to **Multi-key**.
3. Press  to see the **Multi-key** field list (**On** and **Off**). Press  to scroll to the item you want and press .


or

Press   to scroll through **Multi-key** field entries without opening the field list.

**Toggle open to answer**

4. Press  to scroll to **Open to answer**.
5. Press  to see the **Open to Answer** field list (**On** and **Off**).
6. Press  to scroll to the item you want.
7. Press .

**Exit**

8. Press  to return to the in-call setup menu.



## Turning Call Waiting On or Off

Your phone can notify you when another call arrives while you are already on a call. You can turn this feature on or off.

**Note:** Call waiting is an optional network and subscription-dependent feature that is not available in all areas. Contact your service provider for availability.





To switch call waiting on or off:

### Find the feature




1. Press  and navigate to:  
**Settings** ► **In-Call Setup**

The phone displays the in-call setup menu.


### Switch multi-key answer on or off

2. Press  to scroll to **Call Waiting**.
3. Press  to see the **Call Waiting** field list (**On** and **Off**). Press  to scroll to the item you want and press .

or

Press    to scroll through **Call Waiting** field entries without opening the field list.

### Exit

4. Press  to return to the Settings menu.

## **Using Lock/Security Features**

While you probably should not leave your phone unattended, your phone has a number of built-in security features to prevent unauthorized use.

In this chapter you will learn how to:

- lock and unlock your phone
- lock and unlock your phone's keypad
- restrict access to phone applications
- restrict incoming and outgoing calls
- change your lock code and security code

## **Menu Features**

Settings	Settings
Security	Security (continued)
Phone Lock	Passwords
Lock Now	Unlock Code
Auto Lock	Security Code
Unlock Code	
Lock Keypad	
Lock Application	
Recent Calls	
Fixed Dial	
Phonebook	
Datebook	
Radio	
Messages	
Shortcuts	
SIM Apps	
Browser	
Restrict Calls	
Outgoing Calls	
Allow	
Incoming Calls	
Allow	

## **Locking and Unlocking Your Phone**

### **Locking Your Phone**

You can manually lock your phone or set it to lock automatically.


**Notes:**

- The phone prompts you to enter your unlock code before locking. This prevents you from locking the phone without knowing the unlock code.
- Once you unlock your phone, it remains unlocked until you lock it again.
- You do not have to enter the unlock code when you turn off the automatic lock feature.

***Locking Your Phone Manually***

You can lock your phone manually at any time to prevent unwanted use. Once you lock the phone, it remains locked whether it is powered on or off.

**Find the feature**


1. Press  and navigate to the feature:

Settings ► Security ►  
Phone Lock ► Lock Now


**Verify code**

2. Enter your four-digit unlock code and then press .

**Exit**







3. Press  to return to the previous dialog.

or

Press  return to the main dialog.

### **Locking Your Phone Automatically**


When you turn this feature on, your phone automatically locks itself each time you turn it off.

- Find the feature**
1. Press  and navigate to the feature:  
**Settings ► Security ► Phone Lock ► Automatic Lock**
- Select setting**
2. Press  to scroll to **On** or **Off**, and then press  to select.
- Verify code**
3. If you selected **On**, enter your four-digit unlock code and then press  to lock the phone.
- Exit**
4. Press  to return to the previous dialog.  
**or**  
Press  return to the main dialog.

### **Unlocking Your Phone**

The factory-programmed lock code for unlocking the phone is 1234. If you have changed this code and cannot remember it, see "If You Forget Your Unlock Code" on page 214.








To unlock your phone:

- Enter unlock code**
- Enter your four-digit unlock code and then press .

**Tip:** *If you forget your lock code, try entering 1234 or the last four digits of your wireless phone number.*


## ***Changing the Unlock Code***

The unlock code is originally set to 1234. You should change it as soon as possible.

- Find the feature**
1. Press  and navigate to the feature:  
**Settings** ► **Security** ►  
**Phone Lock** ► **Unlock Code**
- Enter old code**
2. Enter your old four-digit unlock code and then press .  
**or**  
If you don't know your unlock code, press  to go to the security code editor. (See "If You Forget Your Unlock Code" on page 214.)
- Enter new code**
3. Enter a new four-digit unlock code and then press .
  4. Enter the new four-digit unlock code again to confirm, and then press .
- Exit**
5. Press  to return to the previous dialog.  
**or**  
Press  return to the main dialog.

## ***Answering Calls and Reading Messages When the Phone Is Locked***


You can still receive calls and messages when the phone is locked.

Your phone rings or vibrates to indicate an incoming call or message, but you do not see any visual indication in the display. When you receive an incoming message, the  (message) icon is displayed in the status area.

You must unlock the phone in order to answer a call or read an incoming message. See “Unlocking Your Phone” on page 211.

## ***Placing Emergency Calls When the Phone Is Locked***



When the phone is locked, you cannot place any outgoing calls, except for emergency calls. To place an emergency call:

- |                               |   |
|-------------------------------|---|
| <b>Enter emergency number</b> | 1. When the phone prompts you to <b>Enter Unlock Code _____</b> , enter the digits of your emergency phone number (for example, 911). |
| <b>Place call</b>             | 2. Press  to place the call.                       |



**Note:** See “Storing an Emergency Number” on page XX for instructions on how to store your emergency phone number.

## ***If You Forget Your Unlock Code***

If you forget or don't know your unlock code, use the following procedure to bypass the unlock code editor.

- |                                    |   |
|------------------------------------|---|
| <b>Bypass<br/>unlock<br/>code</b>  | 1. When the phone prompts you to <b>Enter Unlock Code ____</b> , press  to go to the security code editor. |
| <b>Enter<br/>security<br/>code</b> | 2. Enter your six-digit security code and then press  to unlock the phone.                                 |




## ***Locking and Unlocking the Keypad***

You can lock your phone's keypad to prevent accidental usage of the phone. All keys are disabled except for the volume keys and the  and  keys.

### ***Locking and Unlocking the Keypad***

To access the keypad lock feature from the Security menu:

**Shortcut:**  
You can also press   to lock or unlock the keypad.

- |                             |  |
|-----------------------------|--|
| <b>Find the<br/>feature</b> | 1. Press  and navigate to the feature:<br><b>Settings</b> ► <b>Security</b> ►<br><b>Lock Keypad</b>   |
| <b>Lock<br/>keypad</b>      | 2. The phone describes which keys you use to lock/unlock the keypad. Press  then  to lock the keypad. |



### ***Answering Calls and Reading Messages When the Keypad is Locked***


Your phone notifies you of an incoming call or message in the usual way, and temporarily unlocks the keypad so you can acknowledge the notification message.

If you choose to answer the call or read the message, the keypad lock is disabled, and the phone functions normally until you finish the call or message and return to the idle display.

If you choose to ignore the call or message, the phone returns to the idle display and the keypad is relocked.

### ***Placing Emergency Calls When the Keypad is Locked***

When the keypad is locked, you cannot place any outgoing calls except for emergency calls. To place an emergency call:

- |                               |  |
|-------------------------------|--|
| <b>Enter emergency number</b> | 1. When the phone display shows <b>Keypad Locked</b> , enter the digits of your emergency phone number (for example, 911). |
| <b>Place call</b>             | 2. Press  to place the call.            |

**Note:** See “Storing an Emergency Number” on page XX for instructions on how to store your emergency phone number.

## ***Restricting Access to Applications***

You can lock specific phone applications to prevent others from using these applications when they borrow your phone.

The following applications may be locked from the Security menu:


Recent Calls	Datebook	Shortcuts
Fixed Dial	Radio	SIM Apps
Phonebook	Messages	Browser

You can also set the Phonebook application to View Only mode, so that phonebook information may be read but not written, edited, or copied. See "Phonebook XXX" on page XX for information about the functionality that is unavailable in view only mode.

## ***Locking and Unlocking Applications***



To lock or unlock an application:

### **Find the feature**



1. Press  and navigate to the feature:

Settings ► Security ►  
Lock Application



### **Select application**

2. Press  to scroll to the desired application, and then press .

**Select setting**


3. Press  to scroll to **Locked** or **Unlocked**, and then press  to select.

**or**


If you selected the Phonebook application, press  to scroll to **Locked**, **Unlocked**, or **View Only**, and then press  to select.

**Note:** A check mark identifies the current selection.

**Exit**

4. Press  to return to the previous dialog.

**or**

Press  to return to the main dialog.

### ***Using Locked Applications***


When an application is locked, you must enter the unlock code to access the application.

**Select application**

1. Select the locked application you want to use.

The phone prompts you to **Enter Unlock Code** \_\_\_\_.

**Enter code**

2. Enter your four-digit unlock code.
3. Press  to access the application.

## ***Restricting Calls***

You can restrict both outgoing and incoming calls. This feature is useful if you are loaning your phone to others or when you wish to control incoming calls.

### ***Restricting Outgoing Calls***

This feature enables you to receive incoming calls but prevents outgoing calls. You can restrict all outgoing calls, or allow calls only to the numbers stored in your phonebook.



**Note:** You can still place calls to the emergency phone number when outgoing calls are restricted.

#### **Find the feature**

1. Press  and navigate to the feature:


**Settings** ► **Security** ►  
**Restrict Calls** ► **Outgoing Calls**

#### **Select setting**


2. Press  to scroll to **All**, **None**, or **Phonebook**, and then press  to select.

**Note:** A check mark identifies the current selection.

#### **Exit**

3. Press  to return to the previous dialog.


or

Press  return to the main dialog.

## ***Restricting Incoming Calls***



This feature allows you to place calls but refuses incoming calls. You can restrict all incoming calls or allow incoming calls only from phone numbers that match an entry in your phonebook.

### **Find the feature**

1. Press  and navigate to the feature:


Settings ► Security ►  
Restrict Calls ► Incoming Calls

### **Select setting**


2. Press  to scroll to **All** or **None**, or **Phonebook**, and then press  to select.

**Note:** A check mark identifies the current selection.

### **Exit**

3. Press  to return to the previous dialog.

or

Press  return to the main dialog.








## ***Changing Passwords***

The **New Passwords** menu groups together the codes and passwords required to unlock or change phone settings.

This feature is only available on phones with multiple user-settable passwords. If the unlock code is the only password you can change, then the Unlock Code option is available on the Phone Lock menu, and the New Passwords menu is not available.

## Changing the Unlock Code







The unlock code is originally set to 1234. You should change it as soon as possible.

- Find the feature**
1. Press  and navigate to the feature:  
**Settings ► Security ►  
New Passwords ► Unlock Code**
- Enter old code**
2. Enter your old four-digit unlock code and then press .
- or
- If you don't know your unlock code, press  to go to the security code editor. (See "If You Forget Your Unlock Code" on page 214.)
- Enter new code**
3. Enter a new four-digit unlock code and then press .
  4. Enter the new four-digit unlock code again to confirm, and then press .
- Exit**
5. Press  to return to the previous dialog.
- or
- Press  return to the main dialog.

## Changing the Security Code

The security code is your phone's primary security number. It is originally set to 000000.

To change your security code:

- Find the feature**
1. Press  and navigate to the feature:  
**Settings** ► **Security** ►  
**New Passwords** ► **Security Code**
- Enter old code**
2. Enter your old six-digit security code and then press .
- Enter new code**
3. Enter a new six-digit security code and then press .
  4. Enter the new six-digit security code again to confirm, and then press .
- Exit**
5. Press  to return to the previous dialog.  
**or**  
Press  return to the main dialog.

**Note:** Your phone's security code may be retained by your service provider for customer service purposes. In this case the Security Code option will not appear on the New Passwords menu.

## ***Ring and Vibrate Features***

---

You can customize your phone's ring and vibration alerts for incoming calls or other events, such as incoming text messages, voicemail messages, information service notifications, answering machine messages, alarms, data calls, and fax calls. You can also customize your keypad sounds.

In this chapter you will learn how to:

- choose a type of ring/vibration
- change the ring volume
- specify different rings for different events
- change the ring for your reminders
- change the volume for your keypad sounds

**Note:** To adjust the voice volume on your phone, see “Controlling Volume” on page XX.



## **Menu Features**



Ring/Vibrate
Alert
Detail
Ring Volume
Calls
Line 1
Line 2
Text Msgs
VoiceMail
Info Svcs
Ans Machine
Alarms
Data Calls
Fax Calls
Key Volume
Reminders

### **Selecting a Ring/Vibration Type**





Your phone can vibrate and ring for incoming calls or other events. Use this feature to select a ring type, a vibration type, or both ring and vibration for *all* events.

**Note:** You can also customize your ring or vibration for a specific event. Refer to "Selecting a Ring/Vibration for a Specific Event" on page 225.

**Shortcut:**

After you highlight **Alert**, you can use   to show each option next to the **Alert**: prompt without opening the Alert menu.

To select a ring/vibration type:

- Find the feature**
1. Press  and navigate to the feature **Ring/Vibrate**.
- Select ring or vibrate type**
2. Scroll  through the various ring and vibration types.
  3. Press  to select a type. The phone displays:  
**Changed: Alert alert type**  
where *alert type* is the ring or vibration type that you selected.
- Exit**
4. Press  to exit.

## Changing the Ring Volume

This feature allows you to adjust the volume level of your phone's ring for *all* events.



**Note:** You cannot select a different volume setting for different events.

**Shortcut:**

After you highlight **Ring Volume**, you can enter a new value (0-6) on the number keypad.

To change the ring volume:

- Find the feature**
1. Press  and navigate to the feature **Ring Volume**.  
The volume meter appears.




- Adjust volume** 2. Scroll  or type 0-6 on the number keypad to adjust the volume. The phone displays:
- Changed: Ring Volume setting**  
where *setting* is the selected volume.
- Exit** 3. Press  to exit.

## Selecting a Ring/Vibration for a Specific Event



In "Selecting a Ring/Vibration Type" on page 223 you learned how to select a ring or vibration type that applies to *all* events. You can also select a *different* ring/vibration type for a specific phone event. The type specified for the particular event overrides the type for all events.

**Note:** You can select vibrate (rather than ring) for an event, even if you chose ring for your ring/vibration type.

To change the ring for a specific event:

- Find the feature** 1. Press  and navigate to the feature **Ring/Vibrate** ---> *alert type Detail*.
- Select an event** 2. Scroll  to scroll through the various events.
3. Press  to select an event. The event's menu is displayed.

### Shortcut:

After you highlight the event, you can use   to show each option next to the event prompt.

- Change ring or vibrate type**
4. Scroll **■** to scroll to the ring sound you want to change.
  5. Press **▶** to select a ring. The phone displays:  
*Changed: event ring\_sound*
- Exit**
6. Press **⏏** to exit.

## Selecting a Reminder

Reminders periodically notify you of missed events, such as calls or messages. This feature lets you switch these reminders to beep, vibrate, or off.

To select a reminder:






- Find the feature**
1. Press **☰** to navigate to the feature *alert type Detail* ---> **Reminder**.
  2. Press **▶**. The reminder menu appears.
  3. Scroll **■** to the reminder option you want and press **▶**.
  4. You will see **Changed: Reminders (option)**
- Exit**
5. Press **⏏** to exit.

## Changing Keypad Volume

Your keys make a sound when you press them. This feature allows you to adjust the volume level for this sound.

**Shortcut:**  
After you highlight **Reminder**, you can enter a new value on the number keypad.

To change the keypad volume:

- Find the feature**
1. Press  to navigate to the feature *alert type Detail* ---> **Key Volume**.
- Select number**
2. Press . The volume meter appears.
  3. Adjust the volume ( or type 0-6 on the number keypad) and press .
  4. You will see **Changed: Key Volume (setting)**
- Exit**
5. Press  to exit.

**Shortcut:**

After you highlight **Key Volume**, you can enter a new value (0-6) on the number keypad.

## **Phonebook**

---

You can store a list of names and numbers in your phonebook. Afterwards, you can look up a number and dial it directly from your phone. Your phonebook can hold 99 entries, and a SIM card can hold additional entries.

In this chapter you will learn how to:

- store phonebook entries
- call phonebook entries
- edit/delete phonebook entries
- copy phonebook entries to a SIM card
- check your phonebook capacity
- change your phonebook setup

## **Menu Features**

Phonebook
New
Edit
Delete
Send Message
Add Digits
Attach Number
Copy Entry
Copy Entries
Phone Capacity
SIM Capacity
Send Tones
Talk then Fax
Talk then Data
Setup

## **Making the Most of Memory**

You can create a phonebook with names and numbers stored in memory locations. Numbered 01-99, each memory location lets you store a name and up to four phone numbers. In one location you can store the home, mobile, work, and fax numbers of a single contact. To help you find the right number, you can assign an icon to each number.

When you view memory locations with stored information, the phone displays the name, location, and one icon for each number stored.

To organize your phonebook for convenient recall, try storing related numbers in groups of ten. For example,

store your nine most frequently called numbers in locations 01-09, and then use the Turbo Dial keys to call them with the push of a key. (See "Dialing with Turbo Dial®" on page 6.) You could store business contacts in locations 10-19, family in 20-29, friends in 30-39, and so on.

You can also store names to identify phone numbers. Later, you can recall a number by the name that corresponds to it.

### ***Fields in Phonebook Entry Forms***

Each phonebook entry contains a form that holds its details, such as name and type of number. The phonebook entry form contains the following fields:

<b>Name</b>	the name of the person or group for the phone number
<b>No.</b>	the phone number for the entry
<b>Type</b>	the type of number stored in the entry's <b>No.</b> field (work, home, main, mobile, fax, or pager)
<b>Voice Name</b>	a recording of you saying the entry's name If you record a voice name for an entry, you can call the entry just by saying the name from your phone's idle state.




<b>Speed No.</b>	the number that you can enter from idle if you want to “speed dial” this entry  In choosing a speed dial number, refer to “Making the Most of Memory” on page 47. The speed number also determines if the entry is stored in the phone’s memory (numbers 01-99) or in the SIM card’s memory (numbers 100 plus).
------------------	---

**Note:** Numbers stored in the SIM card do not have a Type or Voice Name field.

## ***Storing Phonebook Entries***

To create a new phonebook entry, you start by opening a new phonebook entry form. You can open a new phonebook entry form in several ways:

- Press  whenever the phone displays **Store** above the key.
- Select **Store** whenever it is available in a menu.
- Select **New Entry** from the phonebook list.
- Select **New** from the phonebook menu.
- Use a shortcut for **Store**, if you have one. Refer to “Creating Shortcuts” on page XX.

The following procedure shows how to open a new form by selecting **New** from the phonebook menu. If you already

have a form open, skip the **Open a new form** steps. To create and store a new phonebook entry:

**Find the feature**



1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .

The phone displays the phonebook list.

4. Press .
5. Press  to scroll to **New**.
6. Press .


The phone displays a blank phonebook entry form.

**Enter name**

7. Press  to scroll to **Name**.
8. Press  to open the **Name** field editor.

or

Enter the name you want. The **Name** editor opens automatically.

9. Press  to browse through a list of the names that are already in your phonebook, if you want to choose a name that is used for another entry. *Browse* is only available before you enter any characters in this field.




**or**

Use your number keys to enter a name for the phonebook entry (refer to "Using the Keypad to Enter Text" on page 2).


**or**


Press  to cancel.

10. After you enter text, you can:

- Press  to delete characters.
- Press  (with all characters deleted) to cancel.
- Press  to store the text and return to the entry form.


**Enter  
number**





11. Press  to scroll to **No.**

12. Press  to open the **No.** field editor.

**or**

Enter the number you want. The **No.** editor opens automatically.

13. Press  to browse through the numbers in your phonebook or recent calls. The phone displays a browse menu, containing **Received Calls**, **Dialed Calls**, and **Phonebook**.




Press  to scroll to the list you want and press  to see the list. Then Press  to scroll to the number you want and press  to select it. Browse is only available before you enter any characters in this field.

**or**







Enter the number from your number keys.

**or**



Press  to cancel.

14. After you have entered digits, you can:
- Press  to delete digits
  - Press  (with all digits deleted) to cancel
15. Press  to store the number and return to the entry form.


**Enter  
type**

16. Press  to scroll to **Type**.  
**Note:** Entries do not have Type fields if they are stored on a SIM card.
  17. Press  to display the **Type** field list. Press  to scroll to the item you want and press .
- or**
- Press   to scroll through **Type** field entries without opening the field list.

**Enter  
Voice  
Name**


18. Press  to scroll to **Voice Name**.  
**Note:** Entries do not have Voice Name fields if they are stored on a SIM card.
19. Press  to record the voice name.  
The phone displays **Press Voice Key then say name**.
20. Press the voice key on the right side of the phone and say the entry's name (within two seconds).  
The phone displays **Press Voice Key then REPEAT name**.
21. Press the voice key again and repeat the name for confirmation. The phone displays **Trained: Voice Name** and returns you to the phonebook entry form. An icon in the voice name field indicates that the phone stored a voice name.

**Enter  
speed  
number**

22. Press  to scroll to **SpeedNo.**



The phone automatically fills in the first available number when you open a new form.


23. If you want to change the speed number:

- a. Press  to display the **SpeedNo.** editor and enter the number you want.

**or**

Enter the number you want. The **SpeedNo.** editor opens automatically.



- b. Press  to delete numbers if you want to (press  with all numbers deleted to cancel).

- c. Press  to save the new speed number and return to the phonebook entry form.

An indicator tells you if the entry is in the phone's memory (numbers 01-99) or the SIM card's memory. The entry is only saved in the SIM card's memory if you assign a speed dial number from the SIM card.


If your chosen speed number is already assigned to another entry, your phone will ask you if you want to replace that entry.

**Enter  
more  
numbers**


24. If you want to store another number for the same **Name** (for example, a fax number or other type of number) then press  to scroll to **More** and press .

The phone displays another set of number fields and creates another phonebook entry for this new number, copying the **Name** from the original entry.

**Exit**

25. Press  to return to the phonebook list.

or

Press  to return to the main dialog.

## ***Calling Phonebook Entries***

You can call the numbers stored in your phonebook from:

- SpeedDial (refer to “Dialing with Speed Dial” on page 49)
- TurboDial (refer to “Dialing with Turbo Dial®” on page 50)
- the phonebook list view
- the phonebook details view
- VoiceDial

## ***Calling Entries from the List or Details View***



If you do not know an entry's SpeedDial number, you can search your phonebook for the entry and dial it from there. To call from the list or details view:

### **Find the feature**




1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .

The phone displays the phonebook list.

### **Call an entry**

4. Press  to scroll to the entry you want to call and press .

or

Press  to scroll to an entry and press  to see its details. If you choose to call it, press  from the details view.


## ***Calling Entries Using Voice Dial***

You can use your phone's voice recognition capabilities to call an entry just by speaking the name into the phone.

**Note:** You must store a voice name for a phonebook entry before you can call it with Voice Dial. Refer to "Storing Phonebook Entries" on page 135.



To call an entry with Voice Dial:







- Press key and say name**
1. Press the voice key on the right side of the phone.
  2. Say the entry's voice name (within two seconds).  
  
The phone displays the entry that matches the name you said, and plays back the voice name. Check to make sure the phone chose the correct entry.
- Phone dials entry**
3. The phone dials the entry after displaying it for two seconds.  
  
Press any key other than the voice key or  to cancel the call.

## ***Editing/Deleting Phonebook Entries***






Each phonebook entry has a form that holds its details, such as name and other numbers. To edit an entry's details, open the entry's form and edit the fields within it. Refer to "Fields in Phonebook Entry Forms" on page 134 for a description of the form's fields.

To edit a phonebook entry:

**Find the feature**


1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .
- The phone displays the phonebook list.
4. Press  to scroll to the entry you want to edit.
5. Press .
- The phone displays the entry's details.
6. Press .
- The phone displays the entry's form.

**Edit name**

7. Press  to scroll to **Name**.
8. Press  to display the **Name** field editor.
- or**
- Enter the name you want. The **Name** editor overwrites the old entry and opens automatically.
9. Press  to delete characters, if you want to. Press  (with all characters deleted) to cancel.
10. Use your number keys to enter characters (refer to "Using the Keypad to Enter Text" on page xx).
11. Press  to store the text and return to the entry form.



**Edit  
number**

12. Press  to scroll to **No.**


13. Press  to display the **No.** field editor.

or


Enter the number you want. The **No.** editor overwrites the old entry and opens automatically.

14. Press  to delete digits, if you want to. Press  (with all digits deleted) to cancel.




15. Enter the new digits that you want.

16. Press  to store the number and return to the entry form.



**Edit  
type**

17. Press  to scroll to **Type**.


**Note:** Entries do not have **Type** fields if they are stored on a SIM card.


18. Press  to display the **Type** field list. Press  to scroll to the item you want and press  to select it and return to the entry form.

or


Press   to scroll through **Type** field entries without opening the field list.

**Edit  
Voice  
Name**

19. Press  to scroll to **Voice Name**.

If a voice name exists for an entry, the phone displays an icon  in the voice name field and next to the name field.

**Note:** Entries do not have Voice Name fields if they are stored on a SIM card.



20. Press . The phone displays **Press Voice Key then say name**.

21. Press the voice key on the right side of the phone and say the entry's name (within two seconds).

The phone displays **Press Voice Key then REPEAT name**.




22. Press the voice key again and repeat the name for confirmation. The phone displays **Trained: Voice Name** and returns you to the phonebook entry form.

**Edit  
speed  
number**

23. Press  to scroll to **SpeedNo.** .
24. Press  to display the **SpeedNo.** editor and enter the number you want.

or



Enter the number you want. The **SpeedNo.** editor overwrites the old entry and opens automatically.

25. Press  to delete digits, if you want to. Press  (with all digits deleted) to cancel.
26. Press  to save the new speed number and return to the phonebook entry form.

An indicator tells you if the entry is in the phone's memory (numbers 01-99) or the SIM card's memory. The entry is only saved in the SIM card's memory if you assign a speed dial number from the SIM card (100+).

If your chosen speed number is already assigned to another entry, your phone will ask you if you want to replace that entry.

**Enter more phone #s if desired**


27. If you want to store another number for the same **Name** (for example, a fax number or other type of number) then Press  to scroll to **More** and press .

The phone displays another set of number fields (**No.**, **Type**, **Voice Name**, **Speed No.**). The phone creates another phonebook entry for this new number, copying the **Name** from the original entry.

**Exit**

28. Press  to return to the phonebook list.

or

Press  to return to the main dialog.

## ***Adding or Attaching Numbers Before Calling***

You can add digits to the end of a phonebook entry's number (or attach multiple phonebook numbers together) before you dial. To do so, refer to "Adding or Attaching Numbers" on page 67.

## ***Copying Phonebook Entries to a SIM Card***

You can copy one or several entries from your phonebook list to a SIM card. This lets you free up speed dial numbers, or archive entries that you do not use very often.

**Note:** The SIM card cannot store **Type** and **Voice Name** data for entries. If you try to copy an entry with a type or voice name to the SIM card, the phone asks you for confirmation before dropping those fields and copying the entry.

### ***Copy Single Entries***


To copy a single phonebook entry from your phone to your SIM card:

#### **Find the feature**



1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .

The phone displays the phonebook list.

#### **Select entry**

4. Press  to scroll to the entry you want to copy.

or

Press  to scroll to an entry and press  to see its details. If you choose to copy it, proceed to the next step.


**Enter  
new  
location**

5. Press .
6. Press  to scroll to **Copy Entry**.
7. Press .

The phone displays the **Copy To** dialog, with the next available speed dial number loaded by default.

8. Enter a speed dial number for a location in your SIM Card memory, if necessary.


**Copy  
entry**

9. Press  to approve the copy.


The phone displays the **Stored** message and returns to your phonebook list. You can now delete the old entry if you want to.

If you specify a location that is already taken, the phone asks you if you want to overwrite the old entry.

**Exit**

10. Press  to return to the main menu.

**or**

Press  to return to the main dialog.



## Copy Multiple Entries

To copy multiple phonebook entries from your phone to your SIM card:

### Find the feature

1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .




The phone displays the phonebook list.

### Select entries to copy


4. Press .
5. Press  to scroll to **Copy Entries**.
6. Press .


The phone displays the **Copy Entries** dialog.

### Enter current location


7. Enter the **From (start)** speed dial number. This is first (lowest) speed dial number of the entries you want to copy.  
You can type the number while the field is selected, or press  to open the field editor and type the number.
8. Press  to close the field editor and return to the **Copy Entries** dialog.
9. Press  to scroll to **From (end)**


10. Enter the **From (end)** speed dial number. This is last (highest) speed dial number of the entries you want to copy. If this is empty, the phone copies all entries from the From (start) field to the end of the phonebook (entries in both phone and SIM card memory).


You can type the number while the field is selected, or press  to open the field editor and type the number.

11. Press  to close the field editor and return to the **Copy Entries** dialog.


**Enter  
new  
location**

12. Press  to scroll to **To**.
13. Enter the **To** speed dial number. This is the first (lowest) speed dial number for the entries' new location.

You can type the number while the field is selected, or press  to open the field editor and type the number.

14. Press  to close the field editor and return to the **Copy Entries** dialog.


**Copy entries**

15. Press  to copy the entries.


The phone displays the **Copied Entries** message and returns to your phonebook list. You can now delete the old entries if you want to.

If you specify a location that will overwrite existing entries, the phone asks you if you want to overwrite the old entries when you try to approve the copy. If you specify locations that do not have memory available, the phone displays an **Invalid Range** message.

**Exit**

16. Press  to return to the main menu.

or

Press  to return to the main dialog.

## ***Checking Phonebook Capacity***

You can check your phonebook's capacity to see how many entries are used and how many more are available. Since you can store phonebook entries on both your phone and your SIM card, you can check either your phone's capacity or your SIM card's capacity.

To check your phonebook capacity for your phone or SIM card:

**Find the feature**

1. Press .
2. Press  to scroll to **Phonebook**.
3. Press .

The phone displays the phonebook list.

**Check capacity**


4. Press .
5. Press  to scroll to **Phone Capacity** or **SIM Capacity**, depending on which you want to check.
6. Press .

The phone displays the **Capacity** display, listing the number of entries in use and the number that are empty.

**Exit**

7. Press  to return to the phonebook list.

or

Press  to return to the main dialog.

## ***Synchronization with PIM Software***

You can synchronize your phone with PIM (Personal Information Management) software, which allows you to edit your phonebook without your phone.

Using PIM software, you can change your phonebook list both on your phone and on a separate computer. Then you

can connect the two and update them both with the most current entries.

The Motorola Accessories (refer to page XX) group defines the correct PIM software for your phone.

## ***Phonebook Setup***

You can specify the sort order for your phonebook entries and the locations for your TurboDial® entries.

### ***Phonebook List Sort Preference***

You can tell your phone to sort your phonebook list by speed dial number (the default), name, or voice dial.

**Note:** The voice dial sort is identical to the name sort, except that the entries with voice tags are displayed before those without voice tags.









To change your phonebook list's sort order:

**Find the feature**



1. Press  and navigate to **Phonebook**.

The phone displays the phonebook list.

**Select  
sort  
order**

2. Press .
  3. Press  to scroll to **Setup**.
  4. The phone displays the **Phonebook Setup** form.
  5. Press  to scroll to **Sort by**.
  6. Press  to open the **Sort by** list. Press  to scroll to the entry you want, and press  to select it and return to the **Setup** form.
- or
- Press   to scroll through the sort list options while the **Sort by** field is selected.

**Exit**

7. Press  to return to the phonebook list.
- or
- Press  to return to the main dialog.

***TurboDial Preference***







Your phone lets you specify whether your TurboDial entries are located in your phone memory or your SIM card.

To specify your TurboDial entry locations:



**Find the  
feature**

1. Press .
  2. Press  to scroll to **Phonebook**.
  3. Press .
- The phone displays the phonebook list.


**Select  
Turbo-  
Dial  
location**

4. Press .
5. Press  to scroll to **Setup**.
6. The phone displays the **Phonebook Setup** form.
7. Press  to scroll to **Turbo Dial**.
8. Press  to open the **Turbo Dial** list. Press  to scroll to the entry you want, and press  to select it and return to the **Setup** form.


or

Press   to scroll through the sort list options while the **Turbo Dial** field is selected.

**Exit**

9. Press  to return to the phonebook menu.

or

Press  to return to the main dialog.

## Troubleshooting

You may encounter some errors while working with your phonebook. This section describes some common problems and their resolutions.

Problem	Resolution
<p><b>Phonebook Full</b></p> <p>If you try to store a new entry when the entire phonebook memory is full, the phone displays a <b>Phonebook Full</b> error before the phonebook entry form.</p>	<p>You cannot save any more phonebook entries unless you delete some existing entries. If your phone uses a SIM card, it will automatically switch to the SIM card's memory when the phone's memory is full.</p>
<p><b>Voice Dial Full</b></p> <p>Your phone has a section of its memory where it stores voice dial names. If it runs out of space in this section, it shows you an error (<b>Voice Dial memory is full</b>) when you try to store another voice name.</p>	<p>You must delete some of the existing voice dial names.</p>
<p><b>Unacceptable Voice Sample</b></p> <p>When you record a voice name for a phonebook entry, the phone prompts you if it does not capture an adequate voice sample</p>	<p>After the phone displays this error, it gives you a second chance to record the name. If it still cannot capture a sample on the second try, it cancels the recording and returns to the phonebook entry form. From the form, you can try to record the name again.</p>



Problem	Resolution
<p><b>Similar Name</b></p> <p>When you record a voice name for a phonebook entry, the phone prompts you if the name is too similar to another voice name already stored in the phone.</p>	<p>The phone returns you to the phonebook entry form. From there, you can try to record the name again.</p>
<p><b>Voice Name Not Found</b></p> <p>When you try to dial an entry using the voice name, the phone tells you if it cannot find any entries that match what you said (or if the phone did not understand what you said).</p>	<p>Repeat the voice name to try to call it again.</p>

## **Shortcuts**

---

You can create shortcuts to mark frequently used menu items. If, for example, you change your ringer style often, you can set up a shortcut to navigate to the alert setting and bypass the steps to go to the alert menu.

Shortcuts are entirely personal! There are no default shortcuts.

### **Menu Features**

Use the shortcut menu to navigate to any of the shortcut features.

<b>Shortcuts</b>	
New	Help file for setting up shortcuts
Edit	Opens Shortcut forms for editing data on phones with voice recognition
-Shortcut	Shortcut form title
-Key	Shortcut key editor
-Voice	Voice shortcut field
-Record	Records a voice shortcut
--Delete	Deletes a recorded voice shortcut
Reorder	Changes the order of shortcuts

Delete	Erases the highlighted shortcut
Delete All	Erases all assigned shortcuts

## ***Help for Setting Shortcuts***

To obtain help on shortcuts:

- Select **New Entry** from the Shortcut list.
- Select **New** from the Shortcut menu.


### ***Selecting New Entry from the Shortcut List***


To get help by selecting the **New Entry** menu item:

**Find the feature to get help**

1. Press  and navigate to the **Shortcuts** feature.
2. Press  to **New Entry**.
3. Press  to select **New Entry**.

The phone displays help information for setting up a new shortcut.




Press  to display more information.

Press  to return to the **Shortcuts** menu.


## **Selecting New from the Shortcut Menu**

To get help by selecting **New** from the Shortcut menu:


### **Find the feature**


1. Press  and navigate to the **Shortcuts** feature.
2. Press  to display the context-sensitive Shortcuts menu.
3. Press  to navigate to **New**.

### **Display help**

4. Press  to display the help information.

The phone displays help information for setting up a new shortcut.

Press  to display more information.

Press  to return to the **Shortcuts** menu.

## **Setting Navigation Shortcuts**

You can set up a shortcut from any highlighted item on the phone except for items:



- in a context-sensitive menu
- that are grouped together in a form
- in a SIM Toolkit or SmartCard application

If your phone has voice recognition and you want to set up a voice shortcut, refer to “Setting Voice Shortcuts” on page 262.


### **Setting Up a Shortcut**

To set up a shortcut:

**Find the feature**

1. Press  and navigate to the item to which you want to assign a shortcut.
2. Press  to highlight the item.



**Set shortcut**

3. Press and hold .

The phone displays :

**Assign Shortcut “Item” to key no : #**

where **Item** is the name of the item you selected, and **#** is the number of the next available shortcut.

4. Optionally, if you want to change the shortcut number to something other than the next available number, complete the following:
  - a. Press  to delete the assigned number.
  - b. Use the keypad numbers to enter a new number.
5. Press  to accept the shortcut.

The phone briefly displays a message:

**Assigned: Shortcut MENU + #**

where # is the number of the new shortcut.

### ***Types of Shortcuts***

You can set up shortcuts to a variety of elements in the menu structure. Following are descriptions and tips for types of shortcuts that are available.

#### ***Data Objects***


You can set up a shortcut to a data object, such as a phonebook entry or a text message.

**Note:** If you delete a data object, the corresponding shortcut is also automatically deleted.



#### ***Lists***

When you create a shortcut to an item in a list, the phone displays not only the item, but the entire page marked by the shortcut. For example, if you create a shortcut to the phone's backlight setting, when you use the shortcut, the phone displays the backlight option page.

#### ***Highlighted Items***

When you set up a shortcut to a highlighted item, the  action is performed as soon as you access the shortcut. For example, if you used a shortcut to **VoiceMail**, your phone dials **VoiceMail** as soon as you press the shortcut key.

### ***Dialogs or Meters***

You can only access shortcuts to meters if they are set up from menu items. For example, you would press  and navigate to the **Battery Meter** menu item to set up a shortcut to display the battery level .

### ***Editors or Time Pickers***

You can only set up shortcuts to date or time editors if they can be accessed from a menu.

### ***Forms***

You can only set up *blank* forms as shortcuts. For example, you can mark the phonebook new entry form or the new text message form as a shortcut.

### ***Setting Values***

When you set up a shortcut to a value, such as the time setting for the backlight, the setting is changed to the marked value each time you access the shortcut.

For example, you set up a shortcut to the **5 seconds** backlight value. If you changed the value to **20 seconds**, then later accessed the shortcut, the value would be immediately changed to **5 seconds**.

### ***Browser Applications***

If your phone is set up for browser services, you can set up shortcuts to web pages available from your wireless provider. The URL of each highlighted item in a web page or service card is stored as a shortcut.

### ***SIM Toolkit Applications***

You can set up the first screen of a SIM Toolkit or SmartCard application as a shortcut. If you try to set up a shortcut deeper in the SIM Toolkit or SmartCard application, though, the phone displays an error message and does not create the shortcut.

Accessing a shortcut that you have assigned to a SIM Toolkit or SmartCard application launches the SIM session.

### ***Items Requiring a Security Code***

If you set up a shortcut to an item that requires a security code, the phone prompts you for the security code as soon as you access the shortcut.

## ***Setting Voice Shortcuts***


Phones that have voice recognition also have the ability to store voice shortcuts.

### ***Voice Recording Shortcuts***

To set up a shortcut with a voice recording:

- Find the feature**
1. Press **MENU** and navigate to the menu item you want to set up with a voice shortcut.
  2. Press **■** to highlight the item.




3. Press and hold .


The phone displays :

**Assign Shortcut for Item**

where **Item** is the highlighted menu item. The phone displays the **Shortcut** form.

**Set type**

4. Press  to scroll to **Voice: \_\_\_**

5. Press  to accept the selection.

The phone displays the **Say Shortcut Now** message.

**Record shortcut**

6. Press the Voice key.

7. Speak the voice shortcut within two seconds after pressing the Voice key.

8. Press the Voice key again.

9. Repeat the voice shortcut to train the phone to recognize the shortcut

The phone displays the message:




**Trained: Voice Shortcut**

and returns you to the original shortcut item.



## ***Re-recording Voice Shortcuts***

You can record over an existing voice shortcut. To re-record a voice shortcut:

### **Find the feature**

1. Press  and navigate to the **Shortcut** form.
2. Press  to scroll to **Voice**.  
The phone plays the recorded voice shortcut.
3. Press  to change the recording.  
The phone displays the **Voice** menu.

### **Select voice option**

4. Press  to move to **Record**.
5. Press  to select **Record**.  
The phone displays the **Say Shortcut Now** message.




### **Re-record shortcut**

6. Press the Voice key.
7. Speak the voice shortcut.
8. Press the Voice key again.
9. Repeat the voice shortcut.  
The phone displays the message:  
**Assigned: Shortcut Menu + #**  
and returns you to the original shortcut item.

## **Keypad Shortcuts with Voice Recording**

You can also set up keypad shortcuts on phones with voice recognition:

### **Find the feature**

1. Press  and navigate to the menu item you want to set up as a shortcut.
2. Press  to highlight the item.
3. Press and hold .



The phone displays the message:

**Assign Shortcut for: item**



where the item is the menu item you have highlighted.


The phone displays the **Shortcut** form.

### **Change type**

4. Press  to scroll to **Key: \_\_\_\_**
  5. Press  to accept the selection.
- The phone displays the **Key:** editor.

### **Enter shortcut number**

6. Press  to accept the assigned key.
- or
- Press  to erase the digits and enter a keypad number.

7. Press  when you have completed the shortcut number entry.

The phone briefly displays the message:

**Assigned: Shortcut Menu + #**

where # is the shortcut number, and returns you to the menu from which you selected the shortcut item.

## ***Shortcut Setup Errors***

Errors sometimes occur in the shortcut set up process. The messages below illustrate some of the problems that may occur.

### ***Invalid Shortcuts***

If you try to set up a shortcut to an item that cannot be marked, the phone displays the message:



**Shortcut not allowed for this item**

and returns you to the previous screen.

### ***Entering a Previously Assigned Position***

If you try to set up a shortcut with a key number that has already been assigned, the phone displays the message:

**Replace Item Name?**

Press  to assign the shortcut key to the new item or press  to return to the previous screen.

### ***Shortcuts Full***

If you try to store a new shortcut when the shortcut positions have all been filled, the phone displays the message:

#### **Shortcuts Full**

You must delete a shortcut before creating a new one.

### ***Voice Shortcuts Full***

Because of memory constraints, phones that support voice recognition have a limited number of available voice entries. If you try to assign a voice shortcut when there are no more available entries, the phone displays the message:

#### **Voice shortcut memory is full**

and returns you to the Shortcut menu. When the Shortcut menu appears, it displays only the **Key** option for a keypad shortcut.

### ***Storing a Shortcut Without a Position Number***

If you try to store a shortcut without a position number, the phone displays the message:

#### **Shortcut Key No. Required**

and returns you to the Shortcut menu. The **Shortcut Number** form is re-displayed and contains the next available key number.

### ***Unacceptable Voice Sample***

If the phone was not able to collect an adequate voice sample or if it did not detect a signal for either the first or second training attempt, the phone asks you to repeat the

shortcut. If the voice sample is still inadequate, the phone displays the message:

#### **Unable to Store Voice Shortcut**

and returns you to the Shortcut form. A second voice training window may provide tips for more successful recordings, such as **Say Shortcut Louder**, if it detects your voice, but it is too soft.

Try to record the shortcut again, following the screen directions.

#### **Similar Voice Shortcut**

When a voice shortcut is recorded, the phone compares it to others already in memory. If the voice shortcut is similar to other entries, and creates a chance of recognition errors, the phone displays the message:

**Similar voice s-cut stored. Try again.**

Try the voice shortcut again, but with a different recording.


### **Editing Shortcuts**

You can change existing shortcuts or reorder the numbering of shortcuts.



#### **Changing Shortcuts**

You can edit or change shortcuts. To edit a shortcut:


- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press <b>MENU</b> and navigate to the <b>Shortcuts</b> menu.</li><li>2. Press <b>↓</b> to scroll down to <b>Edit</b>.</li></ol> |
|-------------------------|--|

3. Press  to select **Edit**.  
The phone displays the **Shortcut** form.

**Edit shortcut**

4. Press  to move to **Key:** or **Voice :**.
5. Change the assigned key or the voice recording.
6. Press  to make the change.




**Confirm change**

7. Press  to signal that you have finished making changes.



### ***Reordering Shortcuts***

Once you have added some shortcuts, you can change the order in which they are listed. To reorder a shortcut list:

**Find the feature**

1. Press  and navigate to the **Shortcut** menu.
2. Press  and scroll down to **Reorder List**.
3. Press  to select **Reorder List**.

**Grab shortcut**

4. Press  to find the shortcut you want to move.
5. Press  to grab the shortcut.

**Move shortcut**

6. Press **⏮** to move the shortcut up or down in the list.
7. When you've placed the shortcut correctly in its new position, press **➡** to insert it.
8. Press **⏪** when you are done moving shortcuts.

## ***Deleting Shortcuts***

You can delete any or all shortcut.

### ***Deleting Navigation Shortcuts***

To delete a shortcut:

**Find the feature**

1. Press **☰** and navigate to the **Shortcut** menu.
2. Press **⏮** to scroll down to the shortcut you want to delete.
3. Press **☰** to display the context-sensitive menu.

**Delete shortcut**


4. Press **⏮** to scroll to **Delete**. Press **➡** to delete the shortcut.

The phone displays:


**Delete "item" Shortcut?**

where "item" is the name of the shortcut.



5. Press  to delete the shortcut.

or

Press  to cancel the delete process.

The phone displays:




**Deleted: Shortcut Menu + #**

where # is the number of the deleted shortcut, and returns you to the **Shortcuts** menu.

### ***Deleting a Voice Shortcut***




To delete a voice shortcut:

#### **Find the feature**



1. Press  and navigate to the **Shortcut** menu.
2. Press  to scroll to **Edit**.
3. Press  to select **Edit**.

The phone displays the **Shortcut** form and plays the recorded voice shortcut.


#### **Delete shortcut**

4. Press  to change the shortcut.
5. Press  to **Delete**.
6. Press  to select **Delete**.

The phone displays a **Delete Voice Shortcut?** message.

7. Press  to delete the shortcut  
or  
Press  to cancel the deletion and  
return to the **Shortcut** menu.

**Confirm  
delete**

If you press , the phone displays  
the message:

**Deleted: Voice Shortcut**  
and returns you to the Shortcut form.

### ***Deleting All Shortcuts***


To delete all shortcuts:

**Find the  
feature**

1. Press  and navigate to the  
**Shortcuts** menu.
2. Press  to scroll to **Delete All**.
3. Press  to select **Delete All**.

**Delete  
shortcuts**

The phone displays the message:  
**Delete All Shortcuts?**

4. Press  to delete all shortcuts.

The phone displays the message:

**Deleted: All Shortcuts**  
and returns you to the empty  
Shortcuts list.

## **Using Shortcuts**

You can use a shortcut at any time, whether you are on a call or in a menu.


### **Notes:**

- Entries that include a voice shortcut are marked with a voice icon.
- Voice shortcuts play back the recorded shortcut when they are highlighted in the **Shortcuts** list.

## **Using Shortcuts by Number or Name**

Use the following procedure if you know the shortcut number or name:

### **Use shortcut**

1. Press .
2. Press the number on the keypad that corresponds to the shortcut number.

**or**

Press the Voice key and speak the shortcut name.






### **View display**

The phone displays the detail view of the shortcut result.

For example, if you marked a phonebook entry as a shortcut, then when you use the shortcut, the phone displays the name and telephone contained in the phonebook entry.


## Selecting Shortcuts From the List

You can select and access shortcuts directly from the shortcut list. To select a shortcut:

- |                                 |   |
|---------------------------------|---|
| <b>Find the feature</b>         | <ol style="list-style-type: none"><li>1. Press  and navigate to the <b>Shortcuts</b> feature.</li><li>2. Press  to open the <b>Shortcuts</b> menu</li></ol>   |
| <b>Find and select shortcut</b> | <ol style="list-style-type: none"><li>3. Press  to scroll up or down the list of shortcuts.<br/><b>Note:</b> If the shortcut list is empty, the only item in the list is <b>New Shortcut</b>. Select the <b>New Shortcut</b> item to display a help file for setting shortcuts.</li><li>4. Press  to <b>Go To</b> a specific shortcut.</li></ol> |
| <b>Exit</b>                     | <ol style="list-style-type: none"><li>5. Press  to return to the Shortcut list.</li></ol>  |

## Using Voice Shortcuts

To use a voice shortcut:

- |                           |  |
|---------------------------|--|
| <b>Use voice shortcut</b> | <ol style="list-style-type: none"><li>1. Press .</li><li>2. Press the Voice key.</li><li>3. Speak the shortcut name into the phone.</li></ol> |
|---------------------------|--|


## ***Errors in Using Shortcuts***

### ***Voice Shortcut Errors***



Sometimes the phone cannot resolve a voice shortcut because:

- The voice shortcut is not stored.
- The system recognizes the wrong voice shortcut.
- The system doesn't recognize the voice shortcut at all.


### ***No Voice Shortcuts Stored***

When you press  and the Voice Key and no voice shortcuts are stored, the phone displays the message:

**No Voice Shortcuts are stored**

Press  to go to the shortcut feature, or press  to go back to the previous screen.

### ***Wrong Voice Shortcut Recognized***

If you use a voice shortcut and the wrong shortcut is played back, you can press  to cancel the shortcut or press the voice key to find the next match.

### ***Voice Shortcut Not Recognized***

If you use a voice shortcut and the phone does not find a match, the phone displays the message:

**Repeat Shortcut**

Repeat the shortcut. If the phone does not recognize the shortcut after the second attempt, it displays the message:

**Voice Shortcut not found**

and returns you to the previous screen.

Some phones display a second recognition tip for more successful recordings, such as **Say Shortcut Louder**, if it detects your voice, but it is too soft. Try the shortcut again, following the screen directions.

## ***Personal Options***

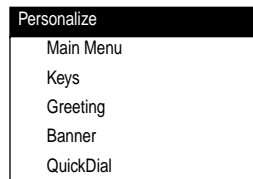
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You can personalize some of your phone's features, such as reordering the phone's main menu items, changing the text that the phone displays when it is idle, and changing the phone's Quick Dial number.

In this chapter you will learn how to:

- reorder the items in the main menu
- change the functions that your smart key and soft keys activate when your phone is idle
- change your wake-up greeting and banner text
- change the number your phone dials when you choose QuickDial

### ***Menu Features***




### ***Reordering the Main Menu***

You can change the order of the items in your phone's main menu. For instance, if you use your **Messages** more often than your **Phonebook**, you can move the **Messages** option up to the top of the menu.





To reorder your main menu:

**Find the feature**

1. Press  and navigate to:  
**Settings** ▶ **Other Settings** ▶  
**Personalize** ▶ **Main Menu**


The phone displays the menu reordering list.

**Reorder menu items**





2. Press  to scroll to the menu item you want to move.
3. Press  to grab the menu item (indicating that this item is the one you want to move).
4. Press  to move the item up and down the menu.
5. Press  to position the item in the right location.

Repeat these steps for other menu items, if you want.

**Exit**

6. Press  to return to the personalize menu.


## ***Changing the Idle Functions of the Smart and Soft Keys***

When your phone is idle, you can use \*S\* , , and  to instantly access three main menu items, such as **Messages**, **Recent Calls**, or **Phonebook**. For example, you can set up  to open **Recent Calls** and  to open **Datebook**.







To change your smart and soft key idle functions:

**Find the feature**




1. Press  and navigate to:  
**Settings** ► **Other Settings** ►  
**Personalize** ► **Keys**

The phone displays the keys form.


**Set a key function**

2. Press  to scroll to **Left**, **Right**, or **\*S\*** (the key you want to change).
3. Complete one of the following steps:
  - c. Press  to open the field editor.
  - d. Press  to scroll to the function you want to set for the button.
  - e. Press  to select the function and return to the keys form.

or

Press    to scroll through the field's entries without opening the field editor.
4. You may repeat this process for the other keys.

**Exit**

5. Press  to return to the personalize menu.


## Changing the Wake-up Greeting

When you turn on your phone, your phone greets you with a text message. You can personalize this wake-up greeting to say whatever you like.

**Note:** This feature may not be available from your network provider. If it is unavailable, it does not appear in the personalize menu.

To change your wake-up greeting:

### Find the feature


1. Press  and navigate to:  
**Settings** ► **Other Settings** ►  
**Personalize** ► **Greeting**


The phone displays the greeting field editor.

### Enter the wake-up greeting text


2. Enter the text you want to see for your wake-up greeting. For instructions on how to use your keypad to enter text, refer to "Using the Keypad to Enter Text" on page 45.

**Note:** The greeting field is two lines long, with 16 characters per line.

You can press  to delete characters.

3. Press  to store the message and return to the personalize menu.

### Exit

4. Press  to return to the other settings menu.

## Changing the Phone's Idle Banner

When your phone is in idle state, it displays a brief text message (such as **Ready**). You can personalize this message to say whatever you like.

**Note:** This feature may not be available from your network provider. If it is unavailable, it does not appear in the personalize menu.

To change your idle banner:

### Find the feature

1. Press  and navigate to:


**Settings** ► **Other Settings** ►  
**Personalize** ► **Banner**


The phone displays the Banner field editor.

### Enter the banner text


2. Enter the text you want to see for your idle banner. For instructions on how to use your keypad to enter text, refer to "Using the Keypad to Enter Text" on page 45.

**Note:** The banner field holds one line with 12 characters.

You can press  to delete characters.

3. Press  to store the message and return to the personalize menu.

### Exit

4. Press  to return to the other settings menu.


## Changing Quick Dial Numbers

You can dial numbers just by selecting QuickDial from the main menu. The QuickDial settings let you edit numbers that your phone dials with QuickDial. Refer to “Quick Dial” on page 309 for details.



**Note:** This feature may not be available from your network provider, or it may have a different name). If it is unavailable, it does not appear in the personalize menu.

To change QuickDial numbers:

### Find the feature

1. Press  and navigate to:  
**Settings** ► **Other Settings** ►  
**Personalize** ► **Quick Dial**


The phone displays one of the following:

- If your provider allows only one QuickDial number, your phone displays the QuickDial field editor.
- If your provider allows two or three QuickDial numbers, your phone displays a list of the available numbers. Press  to scroll to the number you want to edit, and press  to select it.


**Enter  
the  
Quick-  
Dial  
number**

2. Enter the number you want your phone to dial for the QuickDial number.

You can press  to delete digits.

3. Press  to store the number and return to the previous display.

**Exit**

4. Press  to return to the previous display.

## ***The Datebook***

---

The datebook lets you schedule and organize appointments and keep track of special events like birthdays. It can display events for the week or a day, or it can display details for a specific event.

The datebook is not meant to be a complete organizer. It stores basic date and time information and can be set up to work with software such as Microsoft Outlook® and Starfish Sidekick®. You may find, though, that the datebook gives you all the schedule and reminder information that you need.

In this chapter you will learn how to:

- use the datebook menu
- select a weekly, a daily, or an event view
- set up and manage events and reminders
- change the datebook setup
- synchronize your datebook with PIM software

You can also set up Shortcuts to the datebook or set up the datebook as one of your soft application keys. See “Shortcuts” and “Personalizing Phone Display Items” for more information.

## Menu Features

Datebook Menu	
Go To Today	Displays the week view and highlights today's date
New	Allows you to add a new event to the selected day
Setup	Allows you to: <ul style="list-style-type: none"><li>• change the start time for the week view display boxes</li><li>• set the phone to power up and display reminders when they occur</li><li>• change the length of time an event is stored before it its deleted</li></ul>

## Using the Datebook Menu

You may schedule or change events on many different days, perhaps ending up weeks away from today's date. You can access the datebook menu anywhere within the datebook feature to return to today's date or to help you schedule a new event.



To open the datebook menu:.


### Find the feature

1. Press  and navigate to the feature **Datebook**.

The phone displays the datebook week view and highlights today's date.

### Access item

2. Press  to scroll to a menu item, such as **Go to Today**. Press .

**Exit** 3. Press  to exit.

## ***Datebook Views***

When you enter the datebook, the phone displays the current week view. The week view lists all seven days, Sunday through Saturday, for the week.




The week, day, and event views are tied together. Views move from broad to specific, beginning with a week view, then a day view, and finally, an event view.


### ***Week View***


The week view displays all the scheduled activities for a Sunday through Saturday time span. It provides the feel of your schedule without the details of each day or event.

The week display is interactive:

**Navigate** To move to the item you want to display or change:










- Press   to scroll left and right.
- Press  to scroll up and down


**Zoom** Once you have selected an item, press  to view it in more detail.

**Previous screen** Press  to go back to the previous screen.

The top line indicates the dates for the first and last days of the week. Boxes displayed below the days indicate events scheduled for that day.



1. Left and right arrows are displayed at the beginning and end of the week. Press  up to display previous weeks. Press  down to display future weeks.  
  
If you press  to scroll up and down through the week view, the highlighted day remains the same, but the week changes to the previous or following week.
2. The day and month are listed for the beginning Sunday of the displayed week.
3. The day and month are listed for the ending Saturday of the displayed week.
4. The first letter of each day of the week is listed.  
Today's date is highlighted. Press  to move to previous days; press  to move to future days.
  - When **S** (Sunday) is highlighted and you continue to press  to scroll to the left, the phone displays the previous week and highlights **S** (Sunday).
  - When **S** (Saturday) is highlighted and you continue to press  to scroll to the right, the phone displays the next week and highlights **S** (Saturday).
5. Small bars under the day of the week indicate events like birthdays that last the entire day.
6. Boxes under each day indicate events for that day.  
The box represents a twelve hour period, beginning at 7:00 a.m. Each line represents a specific event and time. A one-hour meeting at 7:00 a.m. is displayed as a single line at the top of the box. An eight hour meeting is displayed as eight lines.
7. Press  to display the day view for the highlighted day.
8. Press  to display the datebook menu.

9. Press  to exit the datebook.



## ***Changing to Day View***

To change from the week view to a day view, follow these steps:


### **Find the feature**

1. Press  and navigate to the feature **Datebook**.

The phone displays the datebook week view and highlights today's date.

2. Press  or  to scroll to the day you want to view.

### **Open Day View**






3. Press  to open the day view.


### **Exit**





4. Press  to return to the week view.

## ***Day View***

The day view displays all the scheduled events for a particular day. You can store, edit, view, copy, and delete events from the day view.




The day view display is interactive. The scroll keys , , and  and soft keys  , operate the same as for the week view.

1. Up and down scroll arrows indicate that you can press  to move within the event list.

2. Left and right arrows indicate that you can press  to change to a previous date and  to change to a future date.
3. The day view screen title shows the date for the current display.
4. Events are listed in order by time. Events that do not have a time are preceded by a bullet.
5. Press  to display details about the highlighted event
6. M indicates that a sub-menu is available for the highlighted event.
7. Press  to take you back to the previous screen.

### ***Changing to Event View***







To change from day view to event view:


- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | 1. Open the day view for the date you want to review. (Refer to "Changing to Day View" on page 288.)                                       |
| <b>Open Event View</b>  | 2. Press  to scroll down to the event you want to view. |
|                         | 3. Press  to view the event.                            |
| <b>Exit</b>             | 4. Press  to return to the day view.                    |

### ***Event View***

The event view displays all the event details, including day of the week, time, event title, event duration, alarm time, and repeat cycle.

You can edit, copy and delete events within the event view.


1. Up and down scroll arrows indicate that you can press  to move within the event list.
2. The Reminder/Alarm Icon  is displayed when you have set a reminder or an alarm.
3. The screen title displays the event's day and time.
4. The beginning of the event title indicates the event. The complete event text wraps around to the next lines. Press  down to view the complete event entry and to view the duration.
5. Press  to edit the event.
6.  indicates that a sub-menu is available for the event.
7. Press  to return to the previous screen.

Press  to obtain details for call alerts, call screens, and call forward information.


## ***Storing a New Event***

Complete these steps to begin storing entries for a new event:

### **Find the feature**


1. Press  and navigate to the feature **New** within the **Datebook** menu.

**Open form**


2. Press  to open the event entry form.



The event entry form lets you enter details, such as title, start time, duration, date, repeat, and alarm.


**Enter event title (required)**

3. Use the keypad to enter the new title. Press  to clear any mistakes.

or


Press  open the title browser. The title browser offers a variety of options, such as Meeting and Dinner.

Press  to scroll to highlight the title, and press  to select it.

4. Press  to confirm the new title.









**Note:** If you try to store an event without a title, the phone displays a **Title Required** message and returns you to the Title line.

**Enter other fields**

5. While you are in the event entry form, press  to scroll to various fields and enter information, as described in the following sections.

## Setting the Time

Since some events, like birthdays and anniversaries, are not time dependent, event time is not a required field. If you want to enter the time for an event, complete these steps:

- |                           |   |
|---------------------------|---|
| <b>Select time editor</b> | 1. While you are in the event entry form, press  to scroll to the <b>Start</b> line.   |
| <b>Enter editor</b>       | 2. Press  to enter the time editor.  |
| <b>Enter the hour</b>     | 3. Use the keypad numbers to enter the hour.<br><br>or<br>Press  to scroll up or down to select the hour.   |
| <b>Enter the minutes</b>  | 4. Press  to move to the minutes field.<br>5. Use the keypad to enter the minutes<br><br>or<br>Press  to scroll up or down to select the minutes. |
| <b>Enter am/pm</b>        | 6. Press  to move to <b>am/pm</b> .<br>7. Press  to scroll up or down to toggle between <b>am</b> and <b>pm</b> .                                 |
| <b>Confirm</b>            | 8. Press  to confirm the time.   |



## Setting the Duration

Event duration is not a required field. The default duration is one hour, but if you do not set a duration when you enter an event, the duration is reset to *none*.



The duration menu offers a variety of options, from 30 minutes to all day. A custom setting is also available.

Complete these steps to set the duration:


### Select duration menu

1. While you are in the event entry form, press  to scroll down to **Duration**.
2. Press  to display the duration menu.




### Select duration value

3. Press  to scroll through the duration menu. When you have highlighted the preferred duration, press .

### Confirm duration

4. Press  to accept the duration.



### Specify custom value (optional)


5. If you selected the **custom** value, complete these sub-steps:
  - a. Enter the duration using the keypador  
Press  up or down to select the duration time.
  - b. Press  to move to the time measurement.
  - c. Press  up or down to select from minutes, hours, days, or weeks.



- Confirm duration** 6. Press  to accept the duration.



### ***Setting the Date***

Complete these steps to set the date:

- Select date editor** 1. While you are in the event entry form, press  to scroll to **Date**.  
2. Press  to display the date editor.

- Change month** 3. Press  to scroll up or down to the event month.  
**or**  
Use the keypad to enter the event month.

- Change day** 4. Press  to move to the day.  
5. Press  to scroll up or down to the event day.  
**or**  
Use the keypad to enter the event day.

- Change year** 6. Press  to move to the year.  
7. Press  up or down to the event year.  
**or**  
Use the keypad to enter the event year.






**Confirm date** 8. Press  to accept the new date.


### ***Specifying Repeating Events***


You can enter events, such as staff meetings, that repeat themselves on a regular basis. Repeat events are marked as **none** until you change the repeat value.

To mark an event as a repeating event:

**Select repeat editor** 1. While you are in the event entry form, press  to **Repeat**.  
2. Press  to display the **Repeat** list.

**Select option** Press  to scroll through the various values for repeating events, which range from daily to yearly. You can also specify multiple days during the week, or a specific day or date per month.

3. Press  to select the option.

**Confirm option** 4. Press  to accept the repeat option.

### ***Setting Alarms***

You can set an alarm to notify you about events. The default value is **Off**.

**Notes:**

- If you select **one day before** or **one week before** for an event alarm, the phone displays the reminder alert as soon as you turn the phone on that day. If the

phone is turned on at midnight, the reminders are displayed shortly after midnight.

- If you try to set an alarm before the present time, the phone displays a brief message telling you that the alarm must be set to a future time and returns you to the alarm editor. You cannot set an alarm to a time that has already past.

To set an alarm:

**Select alarm editor**





1. While you are in the event entry form, press **■** to scroll to **Alarm**.
2. Press **▶** to display the alarm editor.

**Select an alarm interval**


3. Press **■** to scroll to an alarm interval. Options range from five minutes before to 1 week before the event.
4. Press **▶** to accept the selection.

**Specify custom value (optional)**

5. If you select a **custom** alarm, complete these substeps:
  - a. Press **▶** to display the custom alarm screen.
  - b. Use the keypad to enter the custom alarm time, or press **■** to scroll to the correct time.

- c. Press  to move to the date. Use the keypad to enter the date or press  to scroll to the correct date.
- d. Press  to move to the alarm year. Use the keypad to enter the alarm year, or press  to scroll to the correct year.





**Confirm alarm**

- 6. Press  to accept the alarm.




## ***Editing Events***

Editing or changing event information is very similar to entering new information. To change information that has already been entered, complete the following:



**Find the feature**

- 1. Press  and navigate to the **Week View** within the **Datebook** menu.
- 2. Press  or  to scroll to the day on which the event is scheduled.
- 3. Press  to display the **Day View**.







**Find event**

- 4. Press  to scroll to the event you want to change.
- 5. Press  to edit the event.
- or
- 6. Press  to display the datebook menu.

**Display event form**

7. Press  to scroll to **Edit**.
8. Press  to display the event form.

**Edit the event**

9. Press  to scroll to the item that needs to be changed.
10. Press  to open the edit form for the item.
11. Press  to delete the information on the screen.  
**or**  
Press  to change the information.
12. Enter the new information.
13. Press  to accept the new information.
14. Press  when you have finished.  
The phone briefly displays a **Changed : Event** message that displays the new information.

**Exit**

15. Press  to exit.

See "Storing a New Event" on page 290 for information about how to enter specific event details.

## Copying Events

The copy feature allows you to copy event information to use in creating a new event. To copy an event:



- Find the feature**
1. Press **MENU** and navigate to the **Week View** within the **Datebook** menu.
  2. Press **<\*** or **#>** to scroll to the day on which the event is scheduled.
  3. Press **▶** to display the **Day View**.

- Find the event**
4. Press **⏏** to scroll to the event you want to copy.
  5. Press **◀** to display the event

- Copy event**
6. Press **MENU**.
  7. Press **⏏** and scroll to **Copy**.
  8. Press **▶** to copy the event.

The display assumes that you want to change the date and opens the date editor.

- Set the date**
9. Use the keypad to enter the new month or press **⏏** to scroll to the month.
  10. Press **▶** to move to the date.
  11. Use the keypad to enter the new date or press **⏏** to scroll to the date.
  12. Press **▶** to move to the year.
  13. Use the keypad to enter the year or press **⏏** to scroll to the year.








- Exit** 14. Press  to save the changes.
- The phone displays the new event details. You can continue to edit the event information, or press  to return to the day view.

## ***Deleting Events***

Deleting events allows you to remove unwanted events from the datebook. You can delete events from the day view, or you can delete the event's title. You can also delete repeating events.

### ***Deleting Events From the Day View***





To delete an event from the day view:

- Find the feature**
1. Press  and navigate to the **Week View** within the **Datebook** menu.
  2. Press  or  to scroll to the day on which the event is scheduled.
  3. Press  to display the **Day View**.
- Delete the event**
4. Press  to scroll to the event you want to delete.
  5. Press  to display the event
- The phone briefly displays a message indicating that the event has been deleted.
- Exit** 6. Press  to exit.



## Deleting Events From the Title

To delete an event by deleting the title:

### Find the feature





1. Press  and navigate to the **Week View** within the **Datebook** menu.
2. Press  or  to scroll to the day on which the event is scheduled.
1. Press  to display the **Day View**.

### Find the title


2. Scroll to the event you want to delete.
3. Press  to display the event details.
4. Press  to scroll to **Title**.

The event editor opens the title form.


### Delete title

5. Press  to change the title text.
6. Press  until all the title text is deleted.
7. Press  to accept the blank title field.
8. Press  to indicate that you have completed editing the event information.

The phone displays a message asking whether you want to delete the event.

9. Press  to delete the event.





The phone briefly displays a message confirming the deletion and returns you to the day view.

**Exit** 10. Press  to exit.




### ***Deleting Repeating Events***

You have the option to delete one of a series of repeating events or all related repeating events. To delete repeating events:






**Find the feature**

1. Press  and navigate to the **Week View** within the **Datebook** menu.
2. Press  or  to scroll to the day on which the event is scheduled.
1. Press  to display the **Day View**.


**Find event**

2. Navigate to the event date. Press  to display the day's events.
3. Press  to scroll to the repeating event you want to delete. Press . The event details are displayed.


**Delete event**

4. Press .
5. Press  to scroll to **Delete**.
6. Press . The phone displays the **Delete Event** menu.
7. Press  to **This Event Only** if you only want to delete this specific event.
8. Press  to **Repeat Events** if you want to delete all related events.



9. Press  to select the delete option.

The phone briefly displays a delete confirmation message.

- Exit**
10. Press  to exit.

## ***Changing the Datebook Setup***

You can change the way the datebook manages:





- the start time displayed for each day in the week view
- whether your phone turns itself on to remind you about events
- how long events are stored in your phone before they are automatically deleted

### ***Changing the Start Time***

To change the start time for the week view display boxes:

- Find the feature**
1. Press  and navigate to the feature **Daily Begin** within the **Datebook** menu.
  2. Press  to open the **Daily Begin** form.

**Change  
begin  
time**

3. Press  to scroll to the new begin time.
4. Press  to highlight the time format (am/pm). Press  to scroll to the new format.
5. Press  to accept the change.



**Exit**

6. Press  to exit.



### ***Setting Your Phone to Automatically Power On for Reminders***

To set the phone to turn itself on and display event reminders:

**Find the  
feature**

1. Press  and navigate to the feature **Reminder** within the **Datebook** menu.
2. Press  to open the **Reminder**.


**Change  
Reminder  
Setting**

3. Press  to scroll to the desired setting. Press  to confirm the reminder.
- If you select **Always**, the phone turns itself on and reminds you about scheduled events.

or

- If you select **Delayed if Off**, the phone does *not* turn itself on to remind you of an event.

When you have changed and confirmed the new setting, the phone briefly displays a **Changed: Reminder** message.

**Exit** 4. Press  to exit.


### ***Changing the Event Storage Duration***

To set or change the length of time an event is stored in the phone:


**Find the feature**


1. Press  and navigate to the feature **Delete After** feature within the **Datebook** menu.
2. Press  to open the **Delete After** screen.

**Set storage time**

3. Press  to scroll through the possible settings, which range from one week to eight weeks, or never.
- If you select a specific duration, such as **1 week**, the events remain in your phone's memory until the specified time period after the event date. Then, they are automatically deleted.

- If you select **never**, events remain in your phone's memory until you delete them.

Press  to accept the setting.

**Exit** 4. Press  to exit.

## **Event Reminders**

When you set an alarm for an event, the phone displays or sounds an event reminder. Possibilities include:

- If the phone is turned on, it displays the reminder as soon as the event triggers the reminder.
- When you turn the phone on and an event reminder is scheduled, the phone displays or sounds the reminder immediately.
- If you have configured the phone to turn itself on and display the reminder (that is, the Reminder is set to **Always**), then the phone displays the reminder until:
  - you review the event or exit the screen
  - the event passes
  - 90 minutes elapse

If you review the event or exit the screen, the phone remains on. If the event passes or if 90 minutes elapse from the time the phone turns itself on and displays the reminder, the phone automatically turns itself off.

- If the phone is turned off and you did *not* configure events to turn the phone on to display reminders, you


**Tip:** See "Managing Phone Sounds" and Alerts to set up audible reminders.

may miss reminders. If you have missed reminders, the phone does not display expired events. An event expires two weeks after its end date.


When you see the event reminder, you can review the event or go back to the previous screen or state. The reminder remains on the display until you view the event or dismiss the reminder.

To view and dismiss an event reminder:

**View reminder**


1. View the reminder when it appears on the display.
2. If you have set a lock code to secure your phone, enter the unlock code to enable the keypad.
3. Press  to view the event.

**Review and dismiss event**

4. Review the event details. Press  to scroll down to view complete event details.
- or
- Press the smart key to view event information.
  - Press the down volume key to scroll through the event details.
  - Press the smart key again to dismiss the reminder.

If more than one event is set up for the same time, the phone displays each event in sequence. Events are displayed in order of date and start time with the earliest events displayed first. As you view and dismiss each event reminder, the next one is displayed.

**Exit**

5. Press  to dismiss the reminder.

**or**

If you have not displayed the event details, press the up or down volume key to dismiss the reminder.

## ***Synchronizing with PIM Software***

Some datebook users also use Personal Information Management (PIM) software such as Microsoft Outlook® and Starfish Sidekick®. You can synchronize the datebook information in your phone to the information in your PIM using Starfish's TrueSync® software. When you connect your phone to your PIM device, the TrueSync software loads current information onto both devices.

Refer to xx for information on using your PIM. Please consult the TrueSync user guide for more information about how to synchronize the datebook with your PIM.

## ***Quick Dial***

---

Quick Dial is an optional feature that provides a fast method of dialing a specific phone number or phone numbers programmed by your service provider. Typically, the service provider uses this feature to program a customer service number.

In this chapter you will learn how to dial the quick dial number.

### ***Menu Features***

The menu configuration for Quick Dial varies depending on whether one or multiple Quick Dial number numbers are available. Your service provider can program up to three individual Quick Dial numbers.

**Note:** Your service provider may have customized the Quick Dial feature name and any sub-menu option names when your phone was activated.

### ***One Quick Dial Number Available***

Quick Dial

## **Multiple Quick Dial Numbers Available**

Quick Dial
Quick Dial 1
Quick Dial 2
Quick Dial 3

## **Calling the Quick Dial Number**

The Quick Dial number(s) can be accessed from the main menu or from an application key. (See "Personalizing Your Phone" on page XX for information on how to customize application keys.)


The procedure for calling the Quick Dial number varies depending on whether one Quick Dial number or multiple Quick Dial numbers are available.

### **One Quick Dial Number Available**

**Find the feature** 1. Press  and navigate to the feature **Quick Dial** (or the name assigned by your service provider).

**Call number** 2. Press  to call the Quick Dial number.



**Note:** A service charge may be assessed to your account when you call the Quick Dial number. Contact your service provider for additional information.

**Tip:** You can also press  to call the Quick Dial number.



## **Multiple Quick Dial Numbers Available**

**Find the feature** 1. Press  and navigate to the feature **Quick Dial** (or the name assigned by your service provider).


**Select number** 2. Press  to scroll to a quick dial number.  
3. Press  to call the number.

**Note:** A service charge may be assessed to your account when you call a Quick Dial number. Contact your service provider for additional information.

## **No Quick Dial Number Stored**


If no Quick Dial number is available, or if one of the multiple Quick Dial entries does not have a number stored, you are prompted to enter a Quick Dial number.


**Find the feature** 1. Press  and navigate to the feature **Quick Dial**.

**Store number** 2. The phone displays:  
**No Quick Dial Number Stored.**  
3. Press  to access the Quick Dial editor.


The phone displays:

**Quick Dial No:** \_\_\_\_\_


**Tip:** You can also press  to call the highlighted Quick Dial number.

4. Enter the digits of the Quick Dial number, and then press  to store the number.


**or**

Press  to browse the phonebook and select the number you wish to store.

**Exit**

5. Press  to return to the previous dialog.

**or**

Press  return to the main dialog.

## ***Using VoiceNotes***

---

The VoiceNotes application lets you record personal messages or phone calls for playback at a later time.

In this chapter you will learn how to:

- view the VoiceNotes list
- playback a recorded VoiceNote
- use the VoiceNotes menu
- view VoiceNote recording instructions
- record a VoiceNote
- lock and unlock a VoiceNote
- delete one or all VoiceNote entries
- check VoiceNotes memory capacity

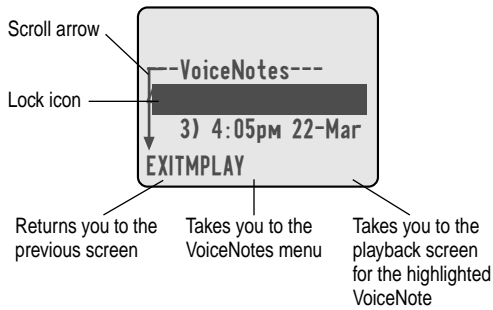
### ***Viewing the VoiceNotes List***

(To launch the VoiceNotes application from the main menu:

**Find the feature**      Press  and navigate to the feature **VoiceNotes**.

**Note:** You can also access the VoiceNotes application through a user-defined shortcut or a customized application key. See “Creating and Using Shortcuts” on page XX for shortcut information. See “Personalizing Your Phone” on page XX for information on how to customize application keys.


When you launch the VoiceNotes application, you are presented with a list of recorded VoiceNotes (see following illustration).



VoiceNote entries are numbered in the order in which they were recorded, with the oldest entry (number 1) at the bottom of the list. Each entry is identified by the time and date when it was recorded.

Press **▲** to scroll through the VoiceNotes list and highlight the entry you want. Alternatively, you can enter a one- or two-digit number to highlight that VoiceNote entry.

The item **[New VoiceNote]** appears at the end of the list, after the oldest VoiceNote entry. Selecting this item displays instructions on how to record a new VoiceNote. If no VoiceNotes are stored in memory, this is the only item listed.

A  (lock) icon to the left of a VoiceNote entry indicates that the VoiceNote is locked. See “Locking/Unlocking a VoiceNote” on page 321 for more information.

## Playing Back a VoiceNote

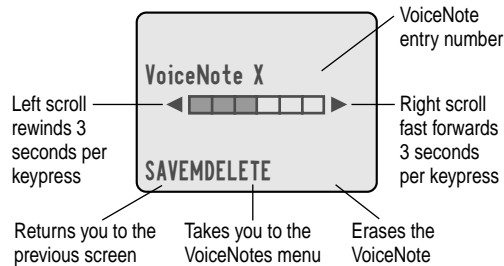
To playback a recorded VoiceNote:

- Find the feature** 1. Press **MENU** and navigate to the feature **VoiceNotes**.
- Select VoiceNote** 2. Press **↓** to scroll to the desired VoiceNote, and then press **▶** to select.

**Note:** You can playback a VoiceNote while a call is in progress. The VoiceNote will not be transmitted to the called party.


## The Playback Screen

The playback screen is displayed while the VoiceNote plays in the earpiece/speaker. (see following illustration).













### Notes:

- The animated playback meter shows the progression of the VoiceNote recording.

- A  (lock) icon to the left of the **VoiceNote X** label indicates that the VoiceNote is locked. When you playback a locked VoiceNote, the right soft key option changes to **Un1ock**. See “Locking/Unlocking a VoiceNote” on page 321 for more information.

At any time during playback, you can press the following keys to perform the associated tasks:

Key	Function
	Stops playback and returns you to the VoiceNotes list.
	<p><b>If VoiceNote is Unlocked:</b> Stops playback and displays a <b>Delete VoiceNote X?</b> confirmation dialog prior to deleting the VoiceNote.</p> <p><b>If VoiceNote is Locked:</b> Stops playback and unlocks the VoiceNote.</p>
	Stops playback, rewinds the recording three seconds, and continues playing from the new position. Press and hold  for one second to rewind to the beginning of the recording.
	Stops playback, fast forwards the recording three seconds and continues playing from the new position. Press and hold  for one second to fast forward to the end of the recording. If playback is completed, press  to restart playback from the beginning of the VoiceNote recording.

Key	Function
	Stops playback and takes you to the context-sensitive VoiceNotes menu. (See “Using the VoiceNotes Menu” on page 317.)
	Press any number key to alternately start and stop VoiceNote playback.
	Stops playback and proceeds to the playback screen for the next VoiceNote (up scroll) or the previous VoiceNote (down scroll) in the list.

## ***Using the VoiceNotes Menu***

The following table shows the complete list of VoiceNotes menu options accessible from the VoiceNotes list and the playback screen. Only options that are applicable to the highlighted/selected VoiceNote are displayed when you access this menu.

Menu Item	Description
<b>New</b>	Displays VoiceNote recording instructions.
<b>Lock</b>	Locks the VoiceNote.
<b>UnLock</b>	Unlocks the VoiceNote.
<b>Delete</b>	Deletes the VoiceNote.
<b>Delete All</b>	Deletes all unlocked VoiceNotes.

Menu Item	Description
Memory	Displays the amount of VoiceNotes memory in use, and gives you the option of clearing memory.

**Note:** When you exit the VoiceNotes menu and return to the playback screen, the playback position is stopped and queued where it left off when the menu was accessed. You must press **#>** to restart playback.

## ***Viewing VoiceNote Recording Instructions***

You can use several methods to display instructions for recording a new VoiceNote.





**Note:** If you try to view the recording instructions when VoiceNotes memory is full, you will see the message **VoiceNotes Memory Full**. See "Deleting a VoiceNote Entry" on page 323 to free some memory.

### ***From the VoiceNotes List***







**Select  
option**

1. From the VoiceNotes list, press **■** to scroll to the **[New VoiceNote]** option, and then press **▶** to select.



- Read instructions**
2. Press  to scroll through the VoiceNote recording instructions one line at a time.
- or
- Press  to display the next page of text.
- Exit**
3. Press  to return to the previous dialog.
- or
- Press  return to the main dialog.

### ***From the VoiceNotes Menu***

- Select option**
1. From the VoiceNotes menu, press  to scroll to the **New** menu option, and then press  to select.
- Read instructions**
2. Press  to scroll through the VoiceNote recording instructions one line at a time.
- or
- Press  to display the next page of text.
- Exit**
3. Press  to return to the previous dialog.
- or
- Press  return to the main dialog.

### ***From a Shortcut***

You can assign a shortcut that takes you directly to the new VoiceNote recording instructions. See "Creating and Using Shortcuts" on page XX for shortcut information.

### ***Recording a VoiceNote***

#### **Begin recording**

1. Press and hold the Voice key on the right side of your phone for one second to begin recording. A tone sounds in the earpiece, and the recording window displays a timer that tracks the length of the recorded VoiceNote.

**Note:** You must continue pressing the Voice key to record a VoiceNote.

#### **Record VoiceNote**

2. After the tone, leave your message by speaking normally into the phone.

You can also record a phone call. This is convenient for saving things like phone numbers and directions.

**Note:** Use of this function is subject to varying state and federal laws regarding privacy of phone conversations.

**Stop recording**

3. When you are finished, release the Voice key to stop recording.

A confirmation notice is displayed with the VoiceNotes list number and the total recording time. The phone then displays the VoiceNotes list with the new entry highlighted.


If the current VoiceNote uses up the remaining memory while recording, the recording window is replaced with the message **VoiceNotes Memory Full**. The partially recorded VoiceNote is stored in the VoiceNotes list.


## ***Locking/Unlocking a VoiceNote***


When a VoiceNote is locked, it cannot be deleted. This prevents you from inadvertently deleting an important VoiceNote.

### ***Locking a VoiceNote***

**Go to VoiceNotes menu**

1. Highlight the desired entry in the VoiceNotes list, and then press  to go to the VoiceNotes menu.


**Tip:** A  (lock) icon beside a VoiceNote entry indicates that the VoiceNote is locked.



**Tip:** A  (lock) icon beside a VoiceNote entry indicates that the VoiceNote is locked.


**Select option**

**Exit**


**or**

When the desired VoiceNote is displayed on the playback screen, press  to go to the VoiceNotes menu.

2. Press  to scroll to **Lock**, and then press  to select.


3. Press  to return to the previous dialog.

**or**


Press  return to the main dialog.

### **Unlocking a VoiceNote**



**Go to VoiceNotes menu**



1. Highlight the desired entry in the VoiceNotes list, and then press  to go to the VoiceNotes menu.

**or**




When the desired VoiceNote is displayed on the playback screen, press  to go to the VoiceNotes menu.

**Select option**

2. Press  to scroll to **Unlock**, and then press  to select.


- Exit**
3. Press  to return to the previous dialog.
- or
- Press  return to the main dialog.

Alternatively, you can use the following procedure to unlock a VoiceNote directly from the playback screen:

- Unlock VoiceNote**
1. When the desired VoiceNote is displayed on the playback screen, press  to unlock it.
- Exit**
2. Press  to return to the previous dialog.
- or
- Press  return to the main dialog.


## ***Deleting a VoiceNote Entry***

You can remove unwanted entries from VoiceNotes memory.


**Tip:** A  (lock) icon beside a VoiceNote entry indicates that the VoiceNote is locked.

**Note:** You cannot delete a locked VoiceNote. See "Locking/Unlocking a VoiceNote" on page 321 for instructions on how to unlock a locked VoiceNote.



**Go to VoiceNotes menu**

1. Highlight the desired entry in the VoiceNotes list, and then press  to go to the VoiceNotes menu.

**or**


When the desired VoiceNote is displayed on the playback screen, press  to go to the VoiceNotes menu.

**Select option**


2. Press  to scroll to **Delete**, and then press  to select.

The phone display asks if you want to **Delete VoiceNote X?**


**Confirm deletion**

3. Press  to delete the VoiceNote.


**or**

Press  to return to the VoiceNotes list or playback screen without deleting the VoiceNote.

**Exit**


4. Press  to return to the previous dialog.

**or**

Press  return to the main dialog.


Alternatively, you can use the following procedure to delete a VoiceNote directly from the playback screen:

**Delete VoiceNote**


1. When the desired VoiceNote is displayed on the playback screen, press  to delete it.

The phone display asks if you want to **Delete VoiceNote X?**


**Confirm deletion**

2. Press  to delete the VoiceNote.


or

Press  to return to the VoiceNotes list or playback screen without deleting the VoiceNote.

**Exit**


3. Press  to return to the previous dialog.

or

Press  return to the main dialog.


## ***Deleting All VoiceNotes***

You can save time by deleting all VoiceNote entries at one time instead of deleting multiple individual entries.



**Tip:** A  (lock) icon beside a VoiceNote entry indicates that the VoiceNote is locked.

**Note:** You cannot delete a locked VoiceNote. See "Locking/Unlocking a VoiceNote" on page 321 for instructions on how to unlock a locked VoiceNote.



**Go to VoiceNotes menu**

1. When the VoiceNotes list or the playback screen is displayed, press  to go to the VoiceNotes menu.



**Select option**

2. Press  to scroll to **Delete All**, and then press  to select.  
The phone display asks if you want to **Delete All VoiceNotes?**

**Confirm deletion**

3. Press  to delete all unlocked VoiceNotes.  
**or**  
Press  to return to the VoiceNotes list or playback screen without deleting any VoiceNotes.

**Exit**

4. Press  to return to the previous dialog.  
**or**  
Press  return to the main dialog.


## **Checking VoiceNotes Memory Capacity**

Use this option to view the amount of memory used and remaining in VoiceNotes memory. When viewing the





remaining memory, you have the option of deleting all unlocked VoiceNotes to clear more memory.

**Go to  
VoiceNotes  
menu**


1. When the VoiceNotes list or the playback screen is displayed, press  to go to the VoiceNotes menu.

**Select  
option**


2. Press  to scroll to **Memory**, and then press  to select.

The phone displays a completion meter that shows the approximate percentage of VoiceNotes memory in use.


**Select  
option**

3. Press  to delete all unlocked VoiceNotes.


or

Press  to return to the VoiceNotes list or playback screen without deleting any VoiceNotes.

**Exit**

4. Press  to return to the previous dialog.

or

Press  return to the main dialog.

## ***Hands-Free Use***

---

The hands-free car kit provides the convenience of hands-free speaker-phone operation while you are driving your vehicle. (Refer to “Accessory Limited Warranty Information” on page 380 for details.) The Car Settings menu lets you adjust features related to using your phone with the hands-free car kit or other hands-free accessories.

In this chapter you will learn how to:

- set your phone to automatically answer after two rings
- route your phone’s audio to an attached car kit
- power down your phone at a set time after you turn off the ignition
- control how long the phone battery continues to charge after you turn off the ignition






### ***Menu Features***

Settings
Other Settings
Car Settings
Auto Answer
Auto Handsfree
Power-off Delay
Charger Time

## Setting Automatic Answer

You can set your phone to automatically answer incoming calls after two rings.

**Note:** This feature takes effect only when the phone is connected to a hands-free device, such as a car kit or headset.



- Find the feature**
1. Press  and navigate to the feature:  
Settings ► Other Settings ► Car Settings ► Auto Answer
- Select setting**
2. Press  to scroll to **On** or **Off**, and then press  to select.
- Exit**
3. Press  to return to the previous dialog.  
or  
Press  return to the main dialog.

## Setting Automatic Hands-Free



This feature routes the phone audio to an attached car kit for hands-free operation. This feature takes effect only when the phone is connected to an appropriate car kit.

- Find the feature**
1. Press  and navigate to the feature:  
Settings ► Other Settings ► Car Settings ► Auto Handsfree

**Select setting**

2. Press  to scroll to **On** or **Off**, and then press  to select.

**Exit**


3. Press  to return to the previous dialog.  
or  
Press  return to the main dialog.

## **Setting the Power-Off Delay**

You can set a time delay for powering off the phone when you turn off your vehicle's ignition. This can be useful when you make short stops, so that you don't have to re-enter the unlock code each time you turn on the ignition. The Power-off Delay feature also guards against leaving the phone on indefinitely and draining the vehicle's battery while the ignition is off.


**Note:** This feature takes effect only when the phone is connected to an appropriate car kit.

**Find the feature**

1. Press  and navigate to the feature:

Settings ► Other Settings ►  
Car Settings ► Power-off Delay


**Select setting**

2. Press  to scroll to the desired time delay, from zero to sixty minutes or continuous.


**Caution:** If you select the **Continuous** option, the phone does not power off when the ignition is turned off. Be careful not to inadvertently drain the vehicle's battery if you select this option.

3. Press  to select.

**Exit**

4. Press  to return to the previous dialog.

or


Press  return to the main dialog.

## ***Setting the Phone Charge Time***

You can set the phone to charge itself for a period of time after you turn off your vehicle's ignition. This can help ensure that the phone battery gets fully charged while the vehicle is parked.


**Note:** This feature takes effect only when the phone is connected to an appropriate car kit.

**Find the feature**

1. Press  and navigate to the feature:


Settings ► Other Settings ►  
Car Settings ► Charger Time

**Select setting**


2. Press  to scroll to the desired charge time, from one to eight hours or off.

3. Press  to select.

**Exit**

4. Press  to return to the previous dialog.

or

Press  return to the main dialog.

## ***The Browser***

---

The Browser is an application provided directly by your wireless service provider. It delivers customized services from the wireless server directly to your phone.

Browser sessions can be:

- active sessions that you initiate
- background sessions that the wireless server automatically or directly initiates

In this chapter you will learn how to:

- start a browser session
- navigate the browser
- place and end calls during a browser session
- run the browser in the background

**Note:** This chapter does not discuss specific Browser applications, such as Unwired Planet®. Your phone was built to enable wireless servers to use any type of browser application to deliver information.

## ***Menu Features***

<b>Browser Menu</b>	
Service 1	
Service 2	Determined by the wireless carrier
Service 3	

Although you cannot predict exactly what is displayed on the browser menu, its structure is the same as all other menus.

## ***Starting a Browser Session***

Depending on the features supported on your phone or by your wireless carrier, you can access the browser menu in any of the following ways:

- select the browser from the main menu
- 
- press the browser soft key
- use a browser shortcut
- select a URL from a message

## ***Selecting Browser from the Main Menu***


To open the browser menu:

- Find the feature**
1. Press  and navigate to the feature **Browser**.

**Note:** The browser menu item is always positioned after SIM.



**Access item** 2. Press  to scroll to a menu item, such as **Service**. 1. Press .

**Exit** 3. Press  to exit.

As soon as you select the browser from the main menu, the wireless server begins an active browser session.




**Note:**

### ***Using the Browser Soft Key to Select the Browser***

If you have personalized your phone to display a browser soft key, simply press the  soft key to begin an active browser session.


### ***Using the Browser Shortcut***

If you have created a browser shortcut, it is available from the **Recent Calls** menu. To begin a browser session using a shortcut:


- Find the feature**
1. Press  and navigate to the **Recent Calls** feature.
  2. When the **Recent Calls** menu opens, navigate to the **Browser Home Page**.
- Select service**
3. Press  and select a browser service.
  4. Press  to select a service.

**Start session**

Your phone may or may not support active calls during a browser session. If you have a call in progress when you select a service, and the phone does not support both a call and a browser session, it displays the message **Going to Browser will end call.**

5. Press  to end the call and begin the browser session.

or


6. Press  to cancel the browser session.

**Note:** You can mark any screen within a browser session for a shortcut that is stored on the phone. See “Shortcuts” for more information.

***Using a URL to Initiate the Browser***

If a text message or an Information Services message includes a URL (web address) either in the header or as part of the message text, you can use the phone’s menu to go directly to the URL. To use a URL to start a browser session:

**Find the feature**

1. Press  and navigate to the feature **Information Services**.
2. Begin an interactive services session.
3. Display interactive service text.

- Open Info Services** 4. When the text message or message header displays a URL that you want to open, press **MENU** to display the **Information Services** sub-menu.
- Find** 5. Navigate to the **Go to** menu item.
- Go to** 6. Press **➤** to select **Go to**.  
The phone starts an active browser session and goes to the selected URL.

### **Error Messages**

You may not be able to connect to a specific browser service. Following are some common error messages:

<b>Browser not available</b>	The wireless server is unable to make a browser connection.
<b>Home Page not available</b>	If you are able to connect to the browser server, but not to the URL, either the browser server is busy or the stored URL is incorrect.
<b>Home Page not setup</b>	The URL you want is not stored in the phone.

### **Navigating the Browser**

Unless you specify a URL when you begin a browser session, the session always starts with your home page. From your home page you can start applications or go to bookmarks and services provided by content suppliers.

## **Home Page Setup**

Some home page information, like your home page URL and browser software name and version number, is stored on your phone; other home page information, such as information you or your wireless service adds, is stored on the wireless server.

Your default home page is **mymotorola.com**. If a wireless provider requires their own customized home page, then **mymotorola.com** is stored in the phone as an additional URL.

All home page information stored in your phone is set up before your phone is shipped. You cannot change this information.

Home page information that you or your wireless service adds is stored on the wireless server. You are able to change this information.

## **Error Messages**

If your phone does not display your home page within two seconds of starting a browser session, it displays the **Please Wait** message until the home page is displayed or until it displays the **Home Page Unavailable** message.




## **Displaying Content**

The browser can display information as a **choice card**, a **display card**, or an **entry card**. The browser software identifies the card type and selects elements on your phone to use when displaying the information.






## Choice Cards

Choice cards are displayed as lists. To use choice card information:

### Find and display item

1. Press  and navigate to the **Browser** feature.
2. Press  to select an item on the browser menu.
3. Press  to start an active browser session.

### Choice card




4. When a **Choice Card** list is displayed, press  to navigate to an item on the choice card list.
5. Press  to select the item.
  - When you press , the highlighted choice card is selected.
  - If a card does not exist, the  soft key becomes the first option identified on the current card.
  - An **M** indicates that other options are available for the item. Press  to display the other options.

## Display Cards

Display cards are displayed as text fields. Information is usually displayed as continuous text, without line breaks or




punctuation, unless the wireless server adds specific formatting information. To use display card information:

**Find and display item**

1. Press  and navigate to the **Browser** feature.
2. Press  to select a browser menu item.
3. Press  to start an active browser session.

**Display card**




When the **Display Card** title appears, information is displayed as text on the screen.

4. Press  to select the first option identified on the card.
  - When you press , the highlighted option card is selected.
  - An **M** indicates that other options are available for the item. Press  to display the other options.

### **Entry Cards**


Entry cards appear as text or number editors. They ask you to enter data for the server. To use an entry card:

**Find and display item**



1. Press  and navigate to the **Browser** feature.
2. Press  to select a browser menu item.
3. Press  to start an active browser session.

**Entry card**

When the **Entry Card** title appears, the screen opens to entry form. It asks you to **Enter Info**.

4. If the line is blank, enter the requested information and press  to submit it to the browser application.




or

If there is information in the **Enter Info** form that needs modification, press  to erase the characters and re-enter the information. Press  to submit the new information.


**Shortcuts**

You can mark and use any highlighted item in a choice or display card as a shortcut, except for items in a card submenu. To set up a shortcut to a card:

**Find and display card**

1. Press  and navigate to the **Browser** feature.
2. Press  to select a browser menu item.
3. Press  to start an active browser session.
4. Navigate to the desired option or text on the card display.


**Set shortcut**

5. With the option or text highlighted, press and hold  for two seconds.

The phone displays the message:

**Assign Shortcut “Item” to key no: #**

where **Item** is the selected option and the **key number** is the next available shortcut number.

6. Press  to confirm the shortcut.

**Confirm**

The phone displays the message:



**Assigned: Shortcut Menu + #**  
where # is the assigned shortcut number.

After you have assigned a shortcut, the phone returns you to the current choice or display card.

- When you mark a card as a shortcut, the choice card's URL is stored with your phone's shortcuts.
- When you access the shortcut, the phone starts an active browser session and displays the card's URL.

To use a shortcut to a browser setting:

**Find shortcut**

1. Press .
2. Enter the shortcut number within two seconds of pressing .

The phone starts an active browser session and goes directly to the URL associated with the shortcut.



To view the shortcuts in the shortcut list:


**Display  
the  
shortcut  
list**

1. Press .
2. Press  and navigate to the **Shortcuts** feature.

The phone displays the numbered list of assigned shortcuts.

- If a card title is available, it is displayed in the list.
- If a card title is not available, the card's URL is displayed in the list.

**Select a  
shortcut**

3. Press  to scroll to the desired shortcut.

4. Press  to **Go To** the shortcut.

The phone starts an active browser session and goes directly to the URL associated with the shortcut.

Please see the "Shortcuts" chapter for more information on setting and using shortcuts.

## ***Placing Calls in an Active Browser Session***

During an active browser session, some cards indicate that a call can be placed to a specified number.




**Notes:**

- If the number supplied by the card is an emergency call number, the phone sets up an emergency call as described in the "Calling" chapter. .



- 
- If a call is already in progress, it is placed on hold. The phone then sets up the second call.
- If the phone cannot set up the call from the browser, it displays an error message.
- If the card includes a name or card title for the number being dialed, the phone displays the name to which the call is being connected. If a name or title is not available, then the phone displays the number being dialed. The name, title, or number is then added to the **Dialed Calls** list.

To place such a call:

**Display  
a card**



1. Press  and navigate to the **Browser** feature.
2. Press  to select a browser menu item.
3. Press  to start an active browser session and display a card.

**Select  
the call**

4. Press  to scroll to the available call, for example, to **Customer Service**.
5. Press  to send the call.

## **Ending Calls in an Active Browser Session**

A browser either can or cannot remain active during a call. The following conditions and resulting actions occur:

Condition	Action
The browser application does <i>not</i> specify that the browser should remain active during a call.	The phone ends the browser session when the call is connected. It returns the phone to the idle state when the call ends.
The browser application specifies either that the browser should: <ul style="list-style-type: none"><li>• remain active during a call</li><li>• return to the application when the call has ended</li></ul>	The phone displays the <b>Return to Browser?</b> message. Press  to return to the browser. Press  to end the browser session and return the phone to the idle state.

## **Running the Browser in the Background**

Some phones are configured so that a browser session is started in the background when the phone registers with a network. There is no indication that a browser session is in progress, other than the signal strength meter.




If your phone supports background browser sessions, the setup option for that feature is available in the **Info Srvc Setup** menu.

### ***Setting up a Background Browser Session***

Some phones are set up to start a browser session in the background when you power them on. Your wireless carriers uses the background session to deliver information services or other types of services to the phone. Other than the signal strength meter, there is no indication that a browser session is in progress

### ***Turning a Background Browser Session On or Off***

If your phone is set up to run browser sessions in the background, a setup option is available in the **Info Srvc Setup** submenu. The factory default setting for background browser sessions is **On**. To turn background browser sessions **On** or **Off**:

- Find the feature**
1. Press  and navigate to the **Info Srvc Setup** feature.
  2. Press  to scroll to **Browser Services**.
  3. Press  to open **Browser Services**.

**Change setting**

4. Press **■** to toggle the background browser **On** or **Off**.
5. Press **▶** to confirm the change.

The phone briefly displays the **Changed: Service On (or Off)** message and returns you to the **Browser Services** feature.

### **Setting Up Background Browser Session Channels**

When the phone is set up for background browser sessions, you must set up channels, or folders, to indicate your preferred type of services. These channels are specific to your wireless carrier and must be set up in the wireless server. Please contact your wireless carrier for a list of available options, channels or folders.

To set up background browser session channels:


**Find the feature**

1. Press **MENU** and navigate to the **Info Srvc Setup** feature.
2. Press **■** to scroll to **Browser Services**.
3. Press **▶** to open **Browser Services**.
4. Press **■** to scroll to **Options**.

**Open Options**

5. Press **▶** to open the **Options** feature.

The phone opens an active browser session.

- Open URL**
6. Open your home page or go to the URL your wireless carrier has designated as the place to set up folders or channels.
  7. Set up your options.
- Exit**
8. Press  to end the browser session and return to the idle state.

### ***Getting Information Via a Background Browser Session***

Obtaining information from a background browser session is the same as obtaining information from a cell broadcast. The phone displays a message dialog box and gives you the option to read the **Info Service** message. Please see the "Messages" chapter to learn how to navigate the **Info Service Inbox** and to manage messages.

## **Network Services**

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The Network menu allows you to change settings related to network features. In this chapter, you will learn how to:

- view the currently registered network
- display available networks
- register on a network
- find a new network
- change network setup values
- change network setup types
- specify preferred networks
- set service tones
- set the call drop alert





### **Menu Features**

<b>Main Menu</b>		
Settings		
• Other Settings		
	Network	
		Current Network Network Setup Mode Type

Search Type  
Service Tone  
Call Drop Tone

## ***Viewing the Currently Registered Network***

All phones register to a network in order to place and to receive calls. The following steps describe how to view the Network ID or name on which your phone is registered:

- Find the feature**
1. Press  and navigate to the **Network** feature.
  2. Press  to scroll to **Current Network**.
- Display Network ID**
3. Press  to view the network registration.  
The phone displays the five digit system ID or the network name.
  4. Press  to exit.




## ***Displaying Available Networks***



Some phones provide a menu option that allows you to view a list of available non-public networks. This feature is useful when you want to register on a desirable network and you:



- enter a new city, region, or country
- are unfamiliar with area networks



To display the non-public list:

- Find the feature**
1. Press  and navigate to the **Network** feature.
  2. Press  to scroll to the **New Network** menu item.
  3. Press  to select **New Network**.

- Display list**
4. Press  to scroll to **Non-Public List**.
  5. Press  to select it.






The phone displays the **Searching for Networks. Please Wait** message.

- When the phone has resolved the list of available networks, it displays them sorted by signal strength. Networks are listed in descending order of signal strength.
- If the phone is not registered on a network when you try to view **Current Network**, it displays a **Not Registered** message and returns to the previous display.

- Display Network ID**
6. Press  to move down the list.
  7. Press  to display an entry.

## ***Registering on a Network***

When you display network registration information, you can register on the displayed network. To register on a displayed network:




- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Display the Non-Public Network List. See “Displaying Available Networks” on page 350 for details.  |
| <b>Select a network</b> | 2. Press  to scroll through the list of available networks and highlight a network.  |
| <b>Register</b>         | 3. Press  to display the network sub-menu and highlight <b>Register Now</b> . Press  to register.<br>or<br>4. Press  to select a highlighted network. When the network details are displayed, press  to register. |

## ***Finding a New Network***

Because of network coverage or roaming conditions, sometimes you may want to switch to another network to

improve the calling conditions. To search for and select a new network:


**Find the feature**

1. Press  and navigate to the **Network** feature.
2. Press  to scroll to the **New Network** menu item.
3. Press  to select it.

The phone displays the **Searching for Network** message.

If a network is available and test registration is successful, the phone displays the **Network System ID**.

**Register phone**

4. Press  to register the phone.


The phone displays the **Registering** message, then displays the message:

**Registered: Sys ID #####**

The messages time out and the phone returns to the **Network** menu.


or

**Continue search**

5. Press  to continue searching for the next available network.

The phone displays the message:

**Continue Non-Public Search?**

6. Press  to continue searching until no more networks are found or until you select a network on which to register.

If your search does not find any non-public networks, or if you search through and reject all available networks, the phone displays the message:

**Non-Public Not Available**

and returns to the **Network** menu.

**Exit**

7. Press  to end your search and return to the **Network** menu.






After you successfully register on a new network, the phone remains on the network until:

- You turn off the phone.
- A call is originated and terminated.
- The signal strength falls below a specified level.
- You register to a different network.

When you leave a network system, the phone automatically changes the network registration from **New Network** to **Normal**.

## ***Finding a Public Network***

A normal network scan may lead you to register your phone on a private network. Once you are registered on a private network, you may want to re-register on a public network. To find a public network:

- Find the feature**
1. Press  and navigate to the **Network** feature
  2. Press  and scroll to **New Network**. Press  to select it.
  3. Press  and scroll to **Use Public**.
  4. Press  to select **Use Public**.

- Search** The phone displays the **Searching for Network** message.
- When it finds a public network, it displays the **Registering** message.
- If you search for a public network when your phone is already registered to a public network, the phone displays a **Public Registered** message.
  - If you search for a public network and none is available, the phone displays a **Public Not Available** message.

## ***Changing Network Setup Values***

Use the Network Setup feature to change the mode, type, or call mode. Actual field names and values may change

depending on available technologies of the wireless carriers. To change network setup values:

- Find the feature**
1. Press  and navigate to the **Network Setup** feature.
  2. Press  to select **Network Setup**.

The phone displays the **Network Setup** form.



Each of the procedures outlined below uses the **Network Setup** form.

### **Changing Mode**



Phones that allow you to select the mode include a **Mode** field in the **Network Setup** form. Available modes include:

Digital Preferred	Places calls on a digital voice channel if available. Otherwise, uses an analog voice channel.
Analog Only	Places calls only on analog channels.
Digital only	Places calls only on digital channels.

To change the mode:


- Find the feature**
1. Open the **Network Setup** form.
  2. Press  to navigate to the **Mode** field.
  3. Press  to change the mode.

**Select mode**

4. Press  to scroll down the list of modes.
5. Press  to select a mode.

The phone briefly displays a **Changed: Mode** message and returns to the **Network Setup** form.

**Confirm change**

6. Press  to confirm the change.

The network mode immediately changes to the selected mode.



If you have selected Analog only, the setting reverts to Digital Preferred if the phone is turned off or when a call is placed and ended.

### ***Changing Type***



Type values vary with each phone. They may include: Preferred List (scans for networks on the preferred list only), Home Only (scans for networks that match the home setting), Automatic, Standard A/B, Reverse B/A, A Systems only, and B Systems only.

To change the type:


**Find the feature**

1. Open the **Network Settings** form.
2. Press  to navigate to the Type: field.
3. Press  to change the type.

**Select type**

4. Press  to scroll down the list of available types.
5. Press  to select a type.  
The phone briefly displays a **Changed : Type** message and returns to the **Network Settings** form.

**Confirm change**

6. Press  to confirm the change.

## **Changing Network Search Types**

Some phones allow you to specify the type of network search that is performed when your phone searches for a network as it powers up and registers.

### **Search Values**





Network search values include:

Home only	Searches only for networks that match the Home Network ID number
Automatic	Searches with standard roaming lists





## Accessing Search Types

To access the network search type:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press  and navigate to the <b>Network</b> feature.</li><li>2. Press  to display the <b>Network</b> menu.</li><li>3. Press  to scroll to the <b>Search Type</b> feature.</li></ol> |
| <b>Display feature</b>  | <ol style="list-style-type: none"><li>4. Press  to select the <b>Search Type</b> feature.</li></ol>  |

## Changing Search Type

To change the search type:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press <b>M</b> and navigate to the <b>Search Type</b> feature.</li><li>2. Press <b>*</b> to display the <b>Search Type</b> details.</li></ol>  |
| <b>Change type</b>      | <ol style="list-style-type: none"><li>3. Press  to toggle between <b>Home Only</b> and <b>Automatic</b>.</li><li>4. Press  to confirm the selection.<br/>The phone briefly displays a <b>Changed: Search Type</b> message and returns you to the <b>Network</b> menu.</li></ol> |

## **Setting Service Tones**

Some phones are set up to use the service tone feature. When the phone uses the service tone feature, it beeps each time the registration status changes.




Registration changes include:

- losing network coverage
- regaining network coverage
- powering up and registering on a network
- roaming and registering onto another Network ID


## **Accessing Service Tones**

To access the service tone setting:

### **Find the feature**

1. Press  and navigate to the **Network** feature.
2. Press  to display the **Network** menu.
3. Press  to scroll to the **Service Tone** feature.



### **Display feature settings**

4. Press  to display **Service Tone** settings.



## Adjusting Service Tone Settings

You can toggle service tone settings on or off:


### Find the feature

1. Press  and navigate to the **Service Tone** feature.
2. Press  to change **Service Tone** settings.

### Change settings

3. Press  to toggle between **On** and **Off** selections.
4. Press  to confirm the selection.  
The phone briefly displays the message:  
**Changed: Service Tone On (or Off)**  
and returns to the **Network** sub-menu.

### Shortcut:







Once you navigate to the feature, press  to toggle the setting **On** or **Off**.

## Setting the Call Drop Alert

Some phones include a call drop feature, which, when turned on, produces an audible tone whenever the network has just dropped a call. Because digital networks are so quiet, the call drop alert is needed to tell you that a call has been dropped.





## Accessing the Call Drop Tone

To access the call drop tone feature:

- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press  and navigate to the <b>Other Settings</b> feature.</li><li>2. Press  to select <b>Other Settings</b>.</li><li>3. Press  to scroll to the <b>Network</b> feature.</li><li>4. Press  to display <b>My Network List</b>.</li><li>5. Press  to scroll to <b>Call Drop Tone</b>.</li></ol> |
| <b>Display settings</b> | <ol style="list-style-type: none"><li>6. Press  to display <b>Call Drop Tone</b> settings.</li></ol>  |

## Adjusting the Call Drop Tone Setting

To adjust call drop tone settings:

- |                         |  |
|-------------------------|--|
| <b>Find the feature</b> | <ol style="list-style-type: none"><li>1. Press  and navigate to the <b>Call Drop Tone</b> feature.</li><li>2. Press  to change <b>Call Drop Tone</b> settings.</li></ol> |
| <b>Change setting</b>   | <ol style="list-style-type: none"><li>3. Press  to toggle the setting <b>On</b> or <b>Off</b>.</li><li>4. Press  to confirm the change.</li></ol>                        |

The phone briefly displays a **Changed : Call Drop To On (or Off)** message and returns you to **My Network List**.

**Shortcut:**  
Once you navigate to the feature, press  to toggle the setting **On** or **Off**.

## ***Interactive Services***

---

Interactive services is a messaging service, provided by some wireless vendors, that lets you download text information about things like traffic and restaurants. It supports limited two-way text messaging between the wireless provider and phone subscribers.

Interactive services is called **Info on Demand** in the phone's menu system. In this chapter, you will learn how to:

- use the interactive services menu
- select and access interactive services
- interact with a service







### ***Menu Features***

The interactive services menu on your phone is a *top menu* or a cover menu for items provided by your wireless carrier. Since the items can change at any time, the top menu provides a way to display whatever menu items are available.

Interactive Services Menu	
Info on Demand	The menu title for the wireless carrier's sub-menu items.
Traffic Info	Common wireless carrier service
Restaurants	Common wireless carrier service
Reconnect	Reconnects you to the service you last used
Enter Title	
Enter Code	




## ***Starting an Interactive Service***

To start an interactive service:

- |                             |  |
|-----------------------------|--|
| <b>Start Info On Demand</b> | <ol style="list-style-type: none"><li>1. Press . Navigate to the feature <b>Info On Demand</b>.</li><li>2. Press .<br/>An interactive service session begins.</li></ol>  |
| <b>Select service</b>       | <ol style="list-style-type: none"><li>3. Press  to select a service.</li><li>4. Press  to select a service.<br/>or<br/>Press  to display the service submenu.</li></ol> |
| <b>Exit</b>                 | <ol style="list-style-type: none"><li>5. Press  to exit.</li></ol>  |

## ***Displaying Text***




During an interactive session, your phone displays text sent from the wireless server.

- If all of the interactive services information is contained within the display, press  when you are done to return to the previous screen.
- If more information is available than can be displayed on the screen, press  to display the additional information. Press  to return to the previous screen.

## ***Providing Input***

Sometimes, while responding to your interactive service requests, the wireless server asks you for information. When this happens, the phone displays: **Enter Data** (for text) or **Enter Digits** (for numbers) and provides a line in which to input text or numbers.


To respond to an **Enter Data** or **Enter Digits** request:





- |                         |  |
|-------------------------|--|
| <b>Enter data</b>       | 1. Use the keypad letters and numbers to enter the requested data.   |
| <b>Accept or change</b> | 2. Press  to accept the data<br>or<br>Press  to delete any incorrect characters. Re-enter the information and press  . |
| <b>Get service</b>      | The phone displays the <b>Please Wait</b> message while it reads the data you entered. When the data is read, the phone connects the service.  |

## ***Displaying Help Information***

If the server provides help information for an interactive service, the phone displays **M** for **Menu** in the center of the last display line.

To display help for an interactive service:




- |                       |  |
|-----------------------|--|
| <b>Open help menu</b> | 1. Press  . |
|                       | The phone displays a <b>Please Wait</b> message.   |

- Select details** 2. Press  to select **Details**.
3. Press  to display help information.
- View details** The phone displays help details.
4. Press  to display more help information.
- Exit** Press  to exit interactive services help.

### ***Reconnecting***


Reconnecting is an option that may or may not be offered by your wireless carrier. Reconnecting allows you to use the menu to bring up the service you last used.

To reconnect to the last service:


- Start Info On Demand** 1. Press . Navigate to the feature **Info On Demand**.
2. Press .
- An interactive service session begins.
- Reconnect** 3. Press  to **Reconnect**.




**Display  
Details**


4. Press  .
- The phone displays a **Please Wait** message while it reconnects you to the title of the last interactive service used.


When reconnected, the phone displays the last service. menu

5. Press  to display detailed interactive service information.
- The phone displays a **Please Wait** message while it reconnects you to the details of the last interactive service used.

6. Press  to **help info for** to display any available help information.

**or**

Press  to get to the title of the service.







7. Press  to display detailed information.

**Exit**

8. Press  to exit.

## ***Entering Titles***







You can enter the title of the interactive service. This title is actually a shortcut to a particular category. To start an interactive service by entering a title:

- |                         |   |
|-------------------------|---|
| <b>Find the feature</b> | 1. Press  . Navigate to the feature <b>Enter Title</b> . |
|                         | 2. Press  .  |
| <b>Enter Title</b>      | 3. Enter the interactive service title.   |
|                         | 4. Press  .  |
|                         | The phone displays a brief <b>Please Wait</b> message.  |
|                         | The title is displayed as the top of a menu that contains sub-menu items for the service you have requested.                              |
| <b>Get Info</b>         | 5. Press  to the information you want.                 |
|                         | 6. Press  to select it.                                |
| <b>Exit</b>             | 7. Press  to exit.                                     |

## ***Entering Codes***

The Enter Code menu item is a shortcut that allows you to enter the code to start an interactive session. The code is a map to a particular category.

To start an interactive service by entering a code:

- |                           |  |
|---------------------------|--|
| <b>Find the feature</b>   | 1. Press  . Navigate to the feature <b>Enter Code</b> . |
|                           | 2. Press  .   |
|                           | The phone displays the <b>Enter Code</b> form.   |
| <b>Enter the Code</b>     | 3. Enter the interactive services code.  |
|                           | 4. Press  .   |
|                           | The phone displays a brief <b>Please Wait</b> message and then displays the Interactive Service submenu.                                 |
| <b>Select the Service</b> | 5. Press  to the service you want to initiate.          |
|                           | 6. Press  .   |
| <b>Exit</b>               | 7. Press  to exit.                                    |

## ***Recognizing Error Conditions***

If the interactive service cannot connect with the requested session, the phone displays an error message. Errors can occur when the phone is unable to connect with the server or when you make a mistake in entering interactive titles or codes. The errors listed below only occur when you use shortcuts in the menu to start an interactive session.

### ***Reconnecting Error***

Some wireless carriers can only support reconnection for a limited period of time. If the time period has expired, the phone displays a **Reconnect not available** error message.

### ***Input Error***

If you have entered an incorrect title or code and the interactive service cannot connect, the phone displays a **Title not allowed** or **Code not allowed** message.

## ***Interacting with a Service***

### ***Setting Up a Message With a Call-Back Number***

You can send a message with a call-back number to begin an interactive session. If you select this option, the wireless server takes the phone number from your message and instructs the phone to set up a voice call.




If your wireless provider has made the technology available, the server can:

- set up a call when no other calls are in progress
- place all other calls on hold and set up a call
- end any other calls and set up a call
- end interactive services calls



### ***Setting up a Call (No Calls In Progress)***

To set up a call when no other calls are in progress:

#### **Find the feature**

1. Press .
2. Press  to **Info on Demand**.
3. Press  to open interactive services sub-menu.

#### **Select service**

4. Press  to find the interactive service you want to start.
5. Press  to select the service and begin the session.

If the call back message includes text, it displays the name of the service, for example: **Calling...Traffic**.

If the call back message does not include text, the message displays the call back number, for example: **Calling...5557000**.

#### **Service Connect**

When the call is complete, the phone moves to the In Call state.

### ***Setting up a Call (Place Other Calls On Hold)***

When a call is in progress, the phone displays a **Connected** message with the person's name.



#### **Notes:**

- The original call is placed on hold before the new call is set up.



- The original call is placed on hold only if your wireless provider supports the technology. Please contact your provider for more information.

To set up a call while another call is in progress:

**Find the feature**

1. Press .
2. Press  to **Info on Demand**.
3. Press  to open interactive services sub-menu.

**Select service**

4. Press  to find the interactive service you want to start.
5. Press  to select the service and begin the session.


If the call back message includes text, it displays the name of the service, for example: **Calling... Traffic**.

If the call back message does not include text, the message displays the call back number, for example: **Calling... 5557000**.

**Service Connect**

6. When the call is complete, the phone moves to Active Call + Call on Hold state.






**Switch**

7. Press  to switch between the calls.

**Setting up a Call (End Other Calls)**

When a call is in progress, the phone displays a **Connected** message with the person's name.




To set up a call and end any other calls in progress:

- Find the feature**
1. Press .
  2. Press  to **Info on Demand**.
  3. Press  to open interactive services sub-menu.
- Select service**
4. Press  to find the interactive service you want to start.
  5. Press  to select the service and begin the session.
- The phone displays the **Call Ended** message.
- If the call back message includes text, it displays the name of the service, for example: **Calling...Traffic**.
- If the call back message does not include text, the message displays the call back number, for example: **Calling...5557000**.
- Service Connect**
6. When the call is complete, the phone moves to the In Call state.

### ***Ending an Interactive Services Call***

When normal calls end, the phone returns to the idle display. When an interactive services call ends, the phone gives you the option to return to **Info on Demand**.






To end an interactive services call:

- |                     |  |
|---------------------|--|
| <b>End the call</b> | 1. Press  .<br>The phone displays the <b>Return to Info on Demand?</b> message.   |
| <b>New Service?</b> | 2. Press  to return to the <b>Info on Demand</b> menu.<br>3. Press  to exit the <b>Info on Demand</b> application. |
| <b>Exit</b>         | 4. The phone returns to the idle display.  |

### ***Sending a Text Message***

Sometimes when setting up interactive sessions, the remote server asks you to enter information.

When an interactive session requires more information, the call progresses as follows:

- |                          |  |
|--------------------------|--|
| <b>Find the feature</b>  | 1. Press  .<br>2. Press  to <b>Info on Demand</b> .<br>3. Press  to open interactive services sub-menu. |
| <b>Start the session</b> | 4. Press  to find the interactive service you want to start.<br>5. Press  to select the service and begin the session.   |
| <b>Enter info</b>        | 6. The server asks you for information. Use the keypad to enter letters or numbers.  |



**Service Connect** 7. The interactive service connects and displays requested information.

# ***Infrared Connections***

---

Some phones can connect to devices such as fax machines or computers without wires. These connections are made using infrared data links.

In this chapter you will learn how to establish an infrared connection from your phone to other devices that accept infrared links.

**Important:** In order to create and maintain an infrared connection, the phone must be within one meter (approximately three feet) of the other infrared device. *Nothing can block the line of sight between the two devices.*

## ***Menu Features***


<b>Main Menu</b>		
Settings	Connection	
		IRDA Links

## ***Establishing an Infrared Connection***

To establish an infrared connection:

- Find the feature**      1. Press  and navigate to the feature **IRDA Links**.

**Activate link**

2. Press  to activate the IRDA link.

The Infrared Link activates and searches for a compatible device.

The phone displays the message:

**Infrared link connecting**

This message continues for 60 seconds or until the link is established (whichever comes first).


When the phone successfully links with another infrared device, it displays the message:

**IRDA link is active**


**Retry link**

If the phone does not find an infrared device, it displays the message:

**Infrared link failed. Retry now?**

3. Press  to attempt another connection.

**Exit**

4. Press  to abandon the connection attempt.

## **Accessories**

---

An exciting line of Motorola accessories, now smaller and lighter than ever, can enhance and personalize your wireless experience.

### ***Lithium Polymer Batteries***

Add  
Illustration

Motorola's Polymer (LiION) batteries are high-energy density batteries that offer increased capacity and are light in weight.

### ***Simple Desktop Charger***

Add  
Illustration

The simple Desktop Charger has one pocket that can charge a battery attached to a phone. An AC adapter is required.

### ***Dual-Pocket Desktop Charger***

Add  
Illustration

This desktop charger can be loaded with two batteries at once. The charger's front pocket can charge a battery attached to a phone, and the rear pocket can charge a battery by itself. An AC adapter is required.

### ***Travel Chargers***

Standard, economy, and Rapid Travel travel chargers are available to conveniently charge your batteries. The standard and Rapid Travel chargers use universal voltage with Klaus adapters, whereas the economy charger uses a single voltage with fixed plugs.

Add  
Illustration

### ***Headset***

The convenient mono headset provides both an earphone and microphone in one small piece for simple hands-free and private telephone conversations. The headset plugs directly into the jack on the top of your phone, so that you can wear your phone and move freely. Place the foam cover on the earpiece for a more comfortable fit. This headset includes a send/end button.

Add  
Illustration

### ***Holster***

Your phone is so small and light, it is positively wearable. Slip it in and clip it on—for the ultimate in high-tech fashion.

Add  
Illustration

### ***Accessory Limited Warranty Information***




We recommend that you use Motorola original batteries and accessories. Under its limited wireless telephone warranty, Motorola specifically disclaims any responsibility for damage caused by the use of portable wireless telephone accessories not manufactured by Motorola.

For details on the complete line of Motorola wireless accessories, see your dealer or visit our Web site at <http://www.motorola.com/>.

## Troubleshooting

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Question	Answer
<b>I pressed the power button, but nothing happened. What's wrong with my phone?</b>	<p>Be sure to press and hold the power button until the display appears and you hear an audible alert. If nothing still happens, check that you have installed a battery and that the battery is charged. For more information about batteries and charging see the sections on batteries starting with "Installing and Removing Batteries" on page XX.</p>
<b>My battery didn't last as long as I expected. What can I do to extend battery life?</b>	<p>Your battery's "talk-time" and "standby-time" are relative measurements of the battery's capacity. The more you talk on the phone, the less standby-time you have, and vice versa.</p> <p>To get the most from your battery, allow it to charge fully. To charge the battery to 100% of its capacity, leave it in the charger for an extra hour after the charger's light turns green.</p> <p>You can also turn off the Service Light to extend battery life.</p> <p>Use only batteries that are compatible with your phone.</p> <p>Exposing your battery to extreme temperatures—below -10°C (14°F) or above 45°C (113°F)—can shorten battery life. Batteries are especially sensitive to high temperature extremes. As a good rule, always take your phone with you when you leave your car.</p>

Question	Answer
<p><b>The display says, “Locked.” How do I unlock my phone?</b></p>	<p>Enter the last three digits of your wireless number. If that doesn’t work, use the factory preset lock code: 123. If all else fails, call your service provider (the company that sends you your monthly wireless bill). (See “Locking/Unlocking Your Phone” on page xxx for more information on security features.)</p>
<p><b>I tried to place a call and received a fast busy signal.</b></p>	<p>The wireless system did not process your call. For example, the wireless system may be overloaded with call attempts. To redial, press  before ending your call attempt, or press  and try the call again later. (See “Redialing a Number” on page xx.)</p>
<p><b>I tried to place a call and received an alternating high/low tone.</b></p>	<p>Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the “NS” light stops blinking before placing a call.</p> <p>An alternating tone may also indicate that your phone’s signal is blocked. Be sure you’re clear of any obstructions such as bridges, parking garages, or tall buildings.</p>
<p><b>I tried to listen to my Voice Mail (or use a paging service, a calling card, etc.) but nothing happened.</b></p>	<p>You may have turned off the Scratchpad tones. Place your call, enter the access numbers when prompted by the recording, then press  To avoid this problem in the future, follow the directions “Turning Scratchpad Tones On and Off” on page xx to turn the Scratchpad tones on.</p>



Question	Answer
<p><b>My phone was stolen. What should I report and to whom?</b></p>	<p>Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bills).</p>
<p><b>I tried to place a calling card call using the internal Phone Book, but it didn't work.</b></p>	<p>You may have turned off your Scratchpad tones. Follow the directions in "Turning Scratchpad Tones On and Off" on page 107 to turn the Scratchpad tones on.</p> <p>Check that you stored your calling card information in the correct order, and make sure the groups of numbers are separated by pauses. The easiest way to correct the sequence may be to start from scratch. Follow the instructions on "Storing and Placing Numbers for Calling Card Information" on page 63, enter your calling card information again, and store it in the same memory location as your previous attempt.</p> <p>Also keep in mind that when using your calling card, you must enter the number you are calling with the area code, but without the initial "1." Check with your long distance carrier for details on using your calling card.</p>

Question	Answer
<p><b>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?</b></p>	<p>The beep indicates that you are setup correctly. If you did not hear the beep, the first thing to check is that your phone is data capable. To do so, see “Using Data Features” on page 1.</p> <p>Next, make sure that both ends of the data cable are connected—the smaller end to your phone and larger to your computer. Also, check the model number of the cable to be sure you have the right one. Look for SYN7464 printed on the cable.</p> <p>If all of the above checks out, 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, and your computer will automatically activate the port.</p>
<p><b>My phone beeped when I attached the data cable but my fax and data applications don't work at all. What's wrong?</b></p>	<p>You must be in an area with digital coverage. Check your phone's display for the digital icon <b>D</b> to be sure you're in a digital coverage area.</p> <p>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.</p> <p>Also, remember that data and fax transmission usually requires a subscription. Call your Service Provider for more information.</p>

Question	Answer
<p><b>When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?</b></p>	<p>19200 is the rate of the connection between your computer and the phone. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600.</p>
<p><b>I can't end my data call by closing the application on my computer. What can I do?</b></p>	<p>If necessary, try pressing  on the phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer.</p>
<p><b>I launched the MiniBrowser but the display says: Service Not Available. What is wrong?</b></p>	<p>You are in an area without service. If you have wireless service, look in the display for the Digital indicator. If you don't see it, you may have only Analog service or no service at all. If you do see the Digital indicator, you may be connected to digital network that does not support Internet access.</p>
<p><b>I launched the MiniBrowser but the display says: Data Server Unavailable. What is wrong?</b></p>	<p>Try again in a few minutes. The servers may be temporarily busy.</p>

## ***Glossary***

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### **A**

**AC adapter** An accessory device that allows you to power your phone and charge any attached batteries from a wall outlet.

**accessory connector port** A socket on the bottom of the phone where you can attach accessories such as an AC adapter, battery charger, vehicle power adapter, or optional accessories.

**air-time** The amount of time you spend using a wireless system. Especially, the time between successfully placing a call and terminating a call.

**antenna** The device attached to your phone that sends and receives wireless signals.

**Auto Answer** When you activate this feature, your phone automatically answers after two rings.

**Automatic Redial** When your wireless network cannot handle your call, this feature enables your phone to automatically redial for the next four minutes.

### **C**

**Call Back number** A phone number in a text message, provided by the sender.

**Caller ID** A network/subscription dependent service that allows you to view information on incoming calls before answering. Not available in all areas.

**CDMA (Code Division Multiple Access)** CDMA takes digitized voice and encodes it in a unique scheme that is sent out over the air. CDMA digital reduces the probability of dropped calls. Your phone is equipped to handle CDMA digital voice transmission.

## D

**DTMF tones** See Dual Tone Multi-Frequency tones.

**default** A feature's original setting as pre-programmed in the factory.

**Dual Tone Multi-Frequency tones** The tones that your telephone transmits when you press a key on the keypad. These tones are used to access automated calling systems such as Voice Mail, paging services, and banking-by-phone. These tones are also heard by the party on the other line if you use the Scratchpad while a call is in progress. Synonymous with Scratchpad tones or touch tones.

## E

**emergency call** This feature allows you to make an emergency call even if your phone is locked, by dialing 911 or another emergency access number.

## F

**fringe area** The outermost range of a wireless system where signals are weak.

## H

**Home Only Mode** When your phone is active in this System Mode setting and you are beyond the range of your home Service Provider, your phone will not operate.

## I

**icon** One of the variety of symbols used to designate menu features and messages.

**indicator** A symbol on your phone that gives you information about your phone's status.

**Instant Redial** This feature enables your phone to redial when your wireless network is temporarily unable to handle your call. Your phone automatically attempts the call for four minutes or until it is picked up by the network.

**Internal Charger** A charger built into your phone for use with an AC adapter or vehicle power adapter.

## K

**Keypad Tones** The sounds produced through your phone's speaker when you press the keys. Note that "Keypad Tones" does not refer to the tones sent by your phone to communicate with automated phone systems.

## L

**Lithium Ion (Lilon)** A battery technology used in personal wireless telephones. Lithium Ion batteries generally provide more energy capacity than Nickel Metal Hydride batteries of the same weight.

**lock** Use this feature to prevent unauthorized access to your telephone.

**lock code** A three-digit code used to access your phone once it has been locked. The factory programmed lock code is 123.

## M

**memory location** A space in the internal Phone Book where you can store a telephone number and a name. Each of the Phone Book's 99 memory locations (numbered 01-99) can hold 24 letters and up to four numbers, each with as many as 32 digits.

**menu feature** Any feature that can be accessed through the menu system.

**menu system** The hierarchical arrangement of your phone's features that allows for quick, intuitive access.

**Message Center Key** Located on the bottom row of the keypad, the dedicated Message Center Key provides quick access to messages and messaging functions.

**Messages** A network/subscription dependent services that enables your phone to receive text messages and numeric pages just like a pager.

**Messaging Function Menus** While viewing your Caller IDs, reading your messages, or checking your Voice Mail, you can use these menus to manage your messages. Examples are locking/unlocking a text message or deleting one or all of your Caller ID or text messages and numeric pages.

**MiniBrowser** Software in your phone that allows you to access information like stock prices and sports scores with your wireless phone.

## N

**name directory** An alphabetical list of the names and telephone numbers you have stored into your phone's internal Phone Book.

**Notepad** A memory feature that automatically remembers the most recent number entered into the keypad.

## **P**

**pause** A special character that tells your phone to “pause” or wait for your input before sending a group of numbers stored in memory.

**Pause Dialing** A method of storing Phone Book entries that allows you to store multiple strings of numbers in one memory location; useful, for instance, in accessing automated phone systems.

**Personal Identification Number (PIN)** A private numeric password that protects personal accounts such as bank-by-phone or Voice Mail.

**Phonebook** An alphabetical list of the names and telephone numbers you have stored into your phone’s internal memory.

**Priority Call** This feature allows you to place a call from memory location 01 even if the phone is locked.

**prompt** A message requesting input.

## **R**

**roam** To use a wireless system outside of your home system, usually when you travel beyond the range of your home system.

## **S**

**scroll** To move backward or forward through a list; for example: to move backward or forward through the menu system or the Phone Book using either the < and > keys or the \* and # keys.



**secure code** A six-digit code used to access and change certain security features. The factory-programmed secure code is 000000.

**service provider** A company affiliated with a wireless carrier that provides wireless service to its customers.

**Service Tones** Two short beeps used to alert you to changes in your wireless service.

**signal** The radio waves that carry information between your phone and the wireless system.

**Silent Mode** Select this feature and all your phone's tones are silenced and the VibriCall<sup>®</sup> alert activated.

**Smart Button** The bottom key on the side of your phone used to access the Phone Book's name directory, send calls, end calls, enter the menu system, select features, and toggle features on and off.

**soft handoff** Unlike traditional analog technology where you are disconnected from one site and then connected to another, CDMA digital technology connects you to a new site before disconnecting you from the old site. This is known as a "soft handoff." With soft-handoff technology, you can experience fewer dropped calls.

**Speed Dial** A feature that enables you to place a number by entering the two-digit location of your number and then pressing and holding = (or pressing and holding S or TALK).

**standby-time** The length of time your phone is on but not used for talking.

**Standard Mode** When your phone is active in this System Mode setting and you are beyond the range of your home

Service Provider, your phone seeks a home -type system, then a non-home-type system.

**status indicator** See indicator.

**submenu** A secondary level of your phone's menu system hierarchy.

**System Identification** A five-digit number that identifies your home wireless system. An even number indicates a wireline system and an odd number indicates a non-wireline system.

**System Mode** A setting that determines the system type that your wireless phone accesses.

## T

**talk-time** The total time that you can talk on the phone before your battery is fully discharged.

**toggle** To switch between two possible options; for example: on versus off. Pressing = toggles features on and off.

**Turbo Dial® keys** a feature that enables you to dial numbers stored in memory locations by pressing and holding a single number key.

## V

**vehicle power adapter** An accessory device that allows you to power your phone and charge any attached batteries from a car's cigarette lighter.

**VibraCall® alert** Motorola's silent vibration mode that discreetly alerts you to incoming calls. It can be used alone or in conjunction with the ringer.

**Voice Mail** Contact your Service Provider for availability.

**volume keys** Located on the side of your phone, the upper and lower volume keys are used to adjust phone volume.

## **W**

**wireless carrier** One of multiple competing organizations in a given geographic area that owns and operates a wireless system.

**wireless signal** The radio waves that carry information between your wireless phone and the wireless system.

**wireless system** The wireless equipment in a given geographic area that relays signals to and from individual wireless telephones and the landline telephone system.



***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 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, neuroepitheliomatous 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.<sup>1</sup>

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 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.<sup>2</sup>

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 change noted among more than 20 variables compared.<sup>3</sup>
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.<sup>4</sup>

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 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

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
- 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 websites:

**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.
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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.

FDA020400

## ***Patent Information***

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Manufactured under one or more of the following U.S. patents:

4291475	4636741	4845772	4956854	5028083	5117441	5163159
4302845	4648125	4851966	4959851	5028859	5117449	5164652
4312074	4649543	4852090	4963812	5029233	5117450	5166596
4365221	4654655	4860336	4964121	5036532	5121047	5166642
4369516	4680787	4860341	4970475	5038253	5121288	5168522
4369520	4704588	4868576	4972355	5040127	5121412	5170173
4369522	4711361	4870686	4972432	5042071	5122480	5170485
4374370	4715063	4872196	4972455	5045824	5122722	5170492
4378603	4717884	4873683	4975808	5053924	5124889	5175729
4390963	4730195	4876552	4977589	5055800	5127040	5175759
4398265	4731813	4876656	4977616	5055802	5127042	5175874
4400584	4736277	4876740	4979207	5055803	5127100	5182749
4400585	4737976	4879533	4984219	5057762	5128834	5185566
4434461	4741018	4885553	4984290	5058136	5133010	5185790
4455534	4742562	4887050	4989230	5059885	5134717	5187640
4486624	4761621	4890199	4992753	5060264	5140286	5187809
4491972	4764737	4896124	4996529	5063340	5140635	5192924
4523155	4775998	4896361	5008925	5065408	5142551	5193223
4546329	4791527	4897873	5010309	5067139	5142696	5195106
4574243	4794489	4903326	5010570	5070310	5144533	5195108
4581602	4797929	4903327	5014294	5077757	5146620	5198887
4581749	4797947	4904549	5014346	5077790	5148471	5200655
4585957	4798975	4904992	5017856	5081674	5148473	5201069
4593155	4802236	4905288	5018188	5083304	5150075	5203009
4594657	4803726	4905301	5020076	5087004	5150359	5203012
4602218	4809356	4912602	5020091	5093632	5150384	5203013
4605987	4811377	4916262	5020092	5095503	5151643	5203021
4616314	4811404	4918431	5020093	5107487	5152006	5204977
4617520	4817157	4918732	5023580	5109400	5152007	5205751
4628529	4827507	4922178	5023866	5111162	5153590	5210793
4629829	4829543	4941203	5023911	5113400	5157693	5211581
4633141	4831647	4942570	5025387	5113436	5160898	5212815
4636593	4843621	4945570	5027388	5117073	5162144	5212826

5214675	5276913	5371791	5453997	5506490	5561852	5629979
5214774	5276915	5373101	5457744	5508709	5565881	5630159
5216389	5278832	5375143	5459640	5509048	5566224	5630210
5220290	5278994	5375258	5459774	5510693	5568548	5630213
5220936	5280630	5379324	5461643	5511235	5570453	5630215
5222078	5280637	5381114	5463351	5513078	5572223	5631538
5222104	5280644	5384825	5463406	5513996	5572224	5633484
5222251	5285443	5392000	5463628	5519303	5574976	5633786
5230007	5287013	5392023	5463646	5519346	5577267	5634202
5230093	5287553	5392331	5463674	5519506	5577268	5640690
5233506	5287555	5396654	5463688	5519777	5583520	5642368
5233633	5287556	5401927	5463694	5524276	5584054	5646576
5235492	5289505	5402447	5465409	5526398	5586146	5649306
5237257	5297142	5402448	5465412	5528666	5588041	5649309
5237570	5299232	5404580	5469177	5530399	5589796	5656914
5239127	5301365	5404582	5471671	5530922	5590177	5656917
5241545	5308716	5406146	5475752	5533119	5594778	5657418
5241548	5321705	5406562	5477192	5535258	5594951	5659601
5241592	5321737	5408693	5485506	5535434	5598129	5660945
5241688	5321847	5410275	5485513	5539360	5598431	5661433
5242767	5323421	5410741	5486843	5542016	5600341	5664973
5243355	5325405	5414711	5487184	5542103	5604050	5666429
5247544	5325429	5420759	5488649	5542106	5604468	5668871
5247565	5327578	5424689	5490177	5542116	5604787	5670912
5249302	5327642	5428362	5491739	5544250	5606332	5673001
5251331	5331123	5428820	5493198	5546275	5606560	5673003
5255292	5333153	5428836	5493700	5546380	5606730	5673287
5257414	5336984	5430416	5493714	5551078	5613229	5674326
5259005	5338909	5432017	5495206	5551627	5613863	5675591
5260170	5343213	5434947	5495208	5553137	5615233	5675702
5260988	5349588	5436802	5497126	5553376	5615259	5678201
5261119	5351245	5438684	5497382	5554996	5615260	5678221
5262710	5359696	5442680	5497383	5555550	5621763	5678227
5263052	5361400	5444764	5499273	5557743	5621766	5680063
5263055	5363071	5446763	5499394	5559471	5625316	5684384
5265271	5365549	5446766	5499397	5559522	5625683	5691947
5267230	5366826	5448763	5502437	5559806	5628001	5692046
5276588	5367538	5448770	5504494	5561436	5628057	5692101
5276707	5367558	5448771	5504812	5561437	5628089	5696497

5696821	5754956	5812093	5861853	5920549	5980268	D292920
5699070	5758271	5812542	5862460	5920550	5982881	D295627
5699389	5760714	5812590	5862493	5923007	5983082	D295973
5699408	5761300	5814798	5864799	5924044	5987012	D295975
5701130	5761610	5815507	5865487	5925835	5988577	D296187
5701244	5764100	5815570	5867063	5925942	5995050	D297734
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Other patents pending.