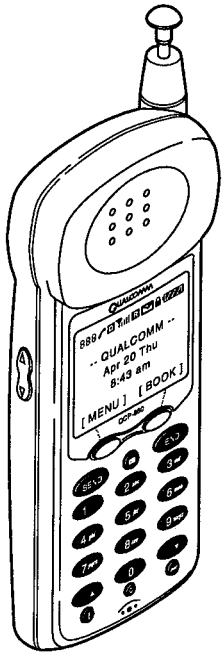
QCP-860™ and QCP-1960™ USER GUIDE



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http://www.qualcomm.com/cdma
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This manual is based on the production version of the QCP-860 and QCP-1960 telephones. Software changes may have occurred after this printing. QUALCOMM reserves the right to make changes in technical and product specifications without prior notice. The products and equipment described in this documentation are manufactured under one or more of the following U.S. Patents:

4,901,307, 5,056,109, 5,099,204, 5,101,501, 5,103,459, 5,107,225, 5,109,390, 5,193,094, 5,228,054, 5,257,283, 5,265,119, 5,267,261, 5,267,262, 5,280,472, 5,283,536, 5,289,527, 5,207,405, 5,309,474, 5,337,338, 5,339,046, 5,341,456, 5,383,219, 5,392,287, 5,396,516, D356,560, 5,408,697, 5,414,728, 5,414,796, 5,416,797, 5,426,392, 5,437,055, D361,065, 5,442,322, 5,442,627, 5,452,473, 5,461,639, 5,469,115, 5,469,471, 5,471,497, 5,475,870, 5,479,475, 5,483,696, 5,485,486, 4,487,175, 5,490,165, 5,497,395, 5,499,280, 5,504,773, 5,506,865, 5,509,015, 5,509,035, 5,511,067, 5,511,073, 5,513,176, 5,515,177, 5,517,323, 5,519,761, 5,528,593, 5,530,928, 5,533,011, 5,535,239, 5,539,531, 5,544,196, 5,544,223, 5,546,459, 5,548,812, 5,559,881, 5,559,865, 5,561,618, 5,564,083, 5,566,000, 5,566,206, 5,566,357, 5,568,483, 5,574,773, 5,574,987, D375,740, 5,576,662, 5,577,022, 5,577,265, D375,937, 5,588,043, D376,804, 5,589,756, 5,590,069, 5,590,406, 5,590,408, 5,592,548, 5,594,718, 5,596,570, 5,600,754, 5,602,834, 5,602,833, 5,603,096, 5,604,730, 5,604,459, 5,604,730, 5,608,722, 5,614,806, 5,617,060, 5,621,752, 5,621,784, 5,621,853, 5,625,876, 5,627,857, 5,629,955, 5,629,975, 5,638,412, 5,640,414, 5,642,398, 5,644,591, 5,644,597, 5,646,991, 5,652,814, 5,656,979, 5,655,229, 5,657,420, 5,659,569, 5,663,807. Other patents pending.

FCC/IC Notice

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

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Welcome...

to the QCP-860 and QCP-1960 User Guide! This guide introduces your phone's most popular features and explains how to perform numerous tasks. If you can't wait to get started, here's how to make and receive your first calls.

[Making your first call]

1. Check to make sure your phone number is activated before you try to make a call.
2. Press PWR until the icon appears on the display.
3. Dial the number on the keypad, then press SEND.
4. To hang up, press END.

[Receiving your first call]

Your phone must be on for you to receive calls.

Answering the phone

➢ When the phone rings, press SEND to answer it.

When your phone is turned off, calls go to your voice mail (if available). See "Voice mail and short messages" on page 32 for more information.

[Customer Support]

Your service provider's customer support department should be able to answer all your questions. You may also call U.S. (619) 651-4028 or (800) 349-4478 (toll-free, U.S. only) for QUALCOMM Customer Service.

Consult QUALCOMM's web site at http://www.qualcomm.com/cdma for more information about all our phones.

Visit the Cellular Telecommunications Industry Association (CTIA) website at http://www.wow-com.com™ or call (888) 901-SAFE (toll-free, U.S. only) for telecommunications industry standards and driving safety information.

[Accessories]

Accessories make your QUALCOMM phone even more powerful and easy to use. You can purchase a hands-free car kit, hands-free headset, leather case, desktop charger, external battery, and more. To obtain QUALCOMM accessories, visit the place where you bought your phone or an authorized QUALCOMM service center. You can also call (800) 349-4188 (toll-free, U.S. only) or visit our website at http://www.qualcomm.com/cdma/accessory.

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[GETTING TO KNOW YOUR PHONE]

Turning the phone on and off

••• Turning the phone on

1. Fully extend the antenna for optimal reception.
2. Hold down pwr for about two seconds.

   "Searching..." means that the phone is searching for a signal.

   appears on the display when the phone finds a signal. It means that you can make and receive calls.

   "Roaming" means that you are outside your home system.

   means the phone cannot find a signal. Wait a little longer or move into an open area.

••• Viewing your own phone number

➤ From standby mode, press i. *Your phone number appears on the display.*

••• Turning the phone off

➤ Hold down pwr until "Powering off" appears on the display.

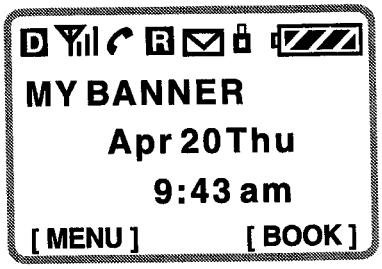
Safe operating instructions

Using your phone properly increases the number of years of service it will give you. Here is what you need to know before you use the phone.

- **If you have a pacemaker, keep the phone at least six inches (15 centimeters) away from your chest.** If your phone is too close to a pacemaker, its radio frequency (RF) energy may interfere with the pacemaker. If you have any reason to suspect a problem, turn off your phone immediately. See "Safety information" on page 60 for more information.
- **If you plan to carry your phone in a pocket or purse, activate the keyguard to prevent accidental key presses.** Press the key under the word [MENU] on the display, then press 1 to activate the keyguard. See "Using the keyguard" on page 10 for more information.
- **Only use QUALCOMM accessories with your phone.** Using other accessories invalidates your warranty and may damage the phone.

Understanding the display

Your phone has a five-line display. The top line contains the display icons defined in the following list. The two words on the bottom line define the current function of the Smart Keys™ (described on page 5).



Digital Mode icon. The phone is operating in CDMA digital mode. Digital CDMA calls have advantages such as privacy, voice clarity, and longer battery life. If you have service but the digital mode icon is not visible, you are in analog mode.

Signal Strength icon. The more bars you see, the stronger the incoming signal. A weak signal will not affect voice quality, but may cause the connection to "flutter." Fully extend the antenna, or if you are in a building, try standing by a window.

No Signal icon. You can't make or receive any calls, because your phone is not

receiving any signal. Wait a few minutes to see if you get a signal, or try moving into an open area.

On Call icon. Indicates you are on a call.

Roaming icon. You are outside of your regular service area. Different rates may apply.

Envelope icon. You have a voice mail, page, or text message. Press to see message information. See "Voice mail and short messages" on page 32.

Padlock icon. Your phone is operating with enhanced CDMA voice privacy. Your service provider determines the availability of this feature. When the padlock icon appears as a Smart Key, the keyguard is on.

Battery Charge icon. This icon indicates how much power is left in the battery that is currently in use. The more black bars you see, the fuller the battery is. See "Battery power levels" on page 54 for information about recharging the battery.

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Smart Keys

Smart Keys are the two unlabeled keys immediately beneath the display. They change function depending on the situation. The word immediately above each Smart Key on the display identifies its current function. In standby mode, the Smart Keys are [MENU] and [BOOK].

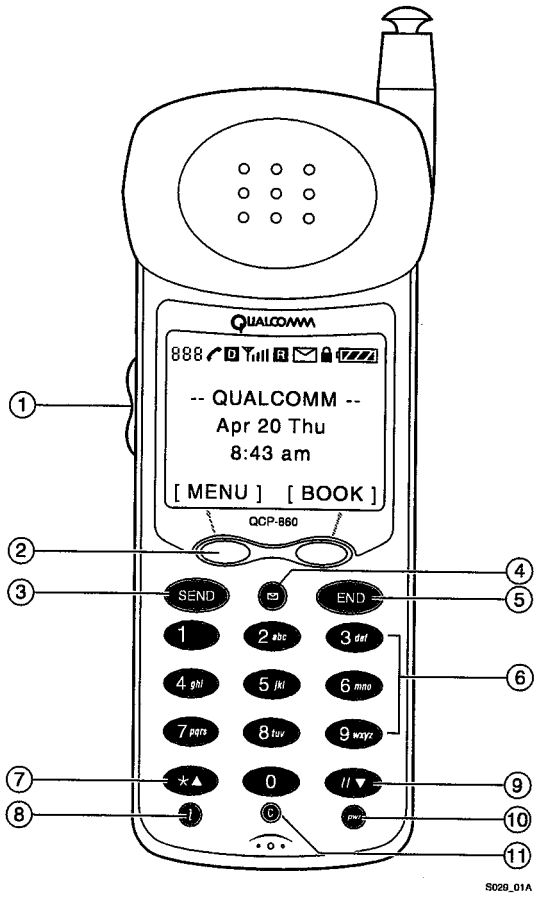
When the directions in this manual tell you to press a Smart Key, they always start with either the [MENU] or [BOOK] Smart Key.

Standby mode

When the phone is turned on and idle for more than a minute, it returns to standby mode.

Press at any time to return to standby mode. Be careful; if you are on a call when you press the End key, you'll return to standby mode but you will also end the call. Press several times to return to standby mode without ending the call.

Using the keys



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1. Press the volume keys on the side of the phone to adjust the volume, silence the ringer when it rings, move the cursor when editing numbers, and scroll through menus.

2. The two Smart Keys change function depending on what you're doing. The word on the display above the key tells you the current function.

3.

Press the Send key to dial or answer a call.

4. When you have a voice mail, page, or text message, an envelope icon appears on the display. Press the Message key to open the message screen.

5.

Press the End key to end a call or to silence the ringer when it rings. Press the End key at any time to cancel out of the current screen and return to standby mode.

6.

... Use the keypad to enter digits, letters, and punctuation characters, or to select menu options. Press any number to answer a call.

7.

Press the Star (up) key to answer an incoming call, scroll up through menus and displays, or move the cursor leftward when you edit numbers.

8. Press the Information key from standby mode to see your own phone number. When you are viewing a recent call record, press it to see extra information about the call.

9. Press the Pound (down) key to answer an incoming call, scroll down through menus and displays, or move the cursor rightward when you edit numbers.

10. Press and hold the Power key down for about two seconds to turn the phone on or off.

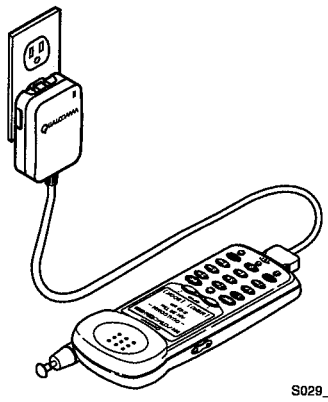
11. When you enter numbers or letters from the keypad, press the Clear key once to erase the last character. Press and hold C to erase the whole line.

    When you're using the menus, press C once to back up to the previous menu level. Press and hold C to return to standby mode.

Charging the batteries

Your phone comes with a rechargeable internal lithium ion (LiIon) battery. The battery is partially charged when you receive the phone. If the battery level falls too low, the phone turns off without saving any functions in progress.

Your phone comes with either an AC adaptor or a Global Travel Charger (Model # TXTVL031). Fully charge the battery as soon as you can to maximize talk time.



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See "Charging accessories" on page 56 to learn about the variety of charging accessories available for your phone.

You can purchase an optional external battery to extend the talk and standby times. If the external battery is attached to the phone, the charging accessory charges the internal battery first, then the external. See "External batteries" on page 52 for more information.

Using the keyguard

Your phone comes with a keyguard feature that protects your phone against accidental key presses when the phone is turned on. When you turn on the keyguard, you can press keys, but nothing will happen. This feature is particularly useful if you carry your phone in a pocket or purse, or if you have small children.

Press SEND to answer calls while the keyguard is on. You can also use the volume keys to silence the ringer on incoming calls.

Turning on the keyguard

1. Press the key under [MENU].
2. Press 1 to activate the keyguard. *The display shows the message "Keyguard On" and instructions on deactivating the keyguard. The padlock icon becomes the left Smart Key.*

Turning off the keyguard

1. Press the key under the Smart Key.
2. Press 1.

See "Security" on page 41 to learn how to lock your phone with a security code or restrict the use of your phone.

MAKING AND RECEIVING CALLS

This section explains how to make and receive calls. In addition to basic dialing and answering operations, you'll learn how to use advanced features like muting calls, redialing any of the last ten numbers, and setting up a three-way conversation.

Making calls

••• Making a call

1. Make sure your phone is on and that you are receiving a signal. (See "Understanding the display" on page 3 for an explanation of the signal strength and no-signal icons.)
2. Press the numbers on the keypad to dial a number.
3. Press SEND.

If you make a mistake, press C to back up one digit. To erase the whole phone number, hold C down for a full second.

••• Ending a call

➤ Press END to end a call.

Redialing calls

Your phone keeps a "recent history" list of the last ten incoming and outgoing calls. You can easily redial or save any number on the list.

••• Redialing the last number you dialed

➤ When you are in standby mode, press SEND until you see "CALLING..." on the display. If you are not sure what mode you are in, press END to return to standby mode.

••• Redialing from the recent history list

1. Press the key under [BOOK].
2. Press the key under [CALLS]. *The list of calls appears.*
3. Scroll through the list until you see the number you want.
4. Press SEND to dial the number

   -or-

   Press the key under [VIEW] to see more information about the call.

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Recent history list

The recent history list contains some or all of the following types of calls.

Called By	Incoming calls, if caller ID is available.
Call To	Any numbers you dialed.
Missed	Unanswered incoming calls, if caller ID is available. This type does not include call attempts made when the phone was off.
Call Waiting	Incoming calls that occurred while you were on another call. This type of call only occurs if your system supports call waiting.
3-Way Calling	The second party you dialed during a three-way call. This type of call only occurs if your system supports three-way calling.
Added	Any numbers you added during a call using the scratchpad feature.

Duplicate calls appear once on the list. Calls are considered duplicates only if they contain the same number *and* have the same call type, such as Called By.

*** Editing the recent history list

➤ While viewing a number in the recent history list, press a digit such as 1 to begin editing the number. Use the volume keys to move the cursor. Enter or delete numbers as you wish.

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Extra calling features

Your service provider may offer extra features like caller ID, three-way calling, call forwarding, and call waiting. If you wish to use these features, contact your service provider for details. Your QUALCOMM phone supports all of these options *if* they are activated on your phone.

Caller ID

Caller ID is a service provider feature that displays the number of the person that is calling you. If you have already saved that number in your phone book, the name on the phone book entry also appears.

Three-way calling

Three-way calling enables three parties to talk on the same phone conversation.

*** Three-way calling

1. Dial the first party.
2. At this point, some service providers require you to press SEND to put the first party on hold.
3. Dial the second number (you may use touch or speed dialing) and press SEND.
4. When the third party picks up, press SEND again to connect all three parties.

If one of you hangs up, the other two stay connected.

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Call forwarding

Some service plans allow you to forward your calls to another number. Typically, you press *▲ plus a numerical code, then enter the forwarding number and press SEND. The phone beeps and shows a message confirming that you have forwarded your calls. Consult your service provider for details.

Call waiting

••• Call waiting

1. When you are on a call and another call comes in, you hear two beeps. *The display informs you that a call is coming in, and shows the caller's phone number if it is available.*
2. Press SEND to switch to the incoming call. *The previous caller is put on hold.*
3. Press SEND to toggle between the callers.

If you press END to disconnect one call, you are still connected to the other call.

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Receiving calls

Your phone must be turned on for you to receive calls. When the phone is off, incoming calls go to voice mail if available (see "Voice mail and short messages" on page 32).

Answering a call

➤ When the phone rings, press SEND to answer the phone.

Ending a call

➤ Press END to end a call.

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Adjusting the volume

This section explains some easy ways to adjust the volume. You can also use the menu options on the Volume menu (see "Volume" on page 39).

Silencing the ringer

➤ When the phone rings, press END to turn off the ringer.

The display momentarily reads "RINGER SILENCED," then returns to "INCOMING CALL." You may press SEND to answer the call even after turning off the ringer.

Muting a call

When the phone is muted, the message "MUTED" appears on the display. The other party will not hear anything you say.

➤ During a call, hold the key under [MENU] for about two seconds to mute or unmute the phone.

Adjusting the earpiece volume

➤ During a call, press *▲ or #▼ to adjust the earpiece volume up or down.

Adjusting the ringer volume

➤ In standby mode, press *▲ or #▼ to adjust the ringer volume up or down.

[PHONE BOOK]

You can save phone numbers and associated information in your phone for quick dialing. There are 99 "memory locations" in the phone book. Each memory location holds up to 32 digits. You can also enter a name to go with the phone number. The name can be up to 12 characters.

••• Speed dialing a phone number

➤ Enter the memory location number and press SEND.

See "Searching the phone book" on page 30 to learn different ways of finding numbers in the phone book.

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Saving a number

Tip: When you save a number in the phone book, include long distance information. That way, you can dial the number from anywhere. If it's a local number, you only pay local rates.

••• Saving a number from standby mode

1. Enter the phone number you want to save.
2. Press the key under [SAVE]. *The name screen appears.*
3. Enter a name to go with the number. To enter a letter, press the corresponding number key.

   For instance, to enter the letter J, press 5 jkl one time. To enter the letter K, press 5 jkl again. If you miss the letter you want, keep pressing the key to cycle back to it. See "Saving a name with the number" on page 21 for more details.
4. Press the key under [OK] to save the name. *The memory location screen appears.*
5. Press the key under [OK] to assign the first available memory location number

   -or-

   enter a two-digit number between 01 and 99. *The phone notifies you if the number is already assigned, and asks if you wish to overwrite the previous entry.*

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Press the key under [OK] to save the memory location number. *The Make Secret? screen appears.*

6. Press the key under [NEXT] to cycle through the options. Press the key under [OK] when you see the option you want. *A confirmation message appears.*

   - **No** allows the phone number to appear normally in the phone book, recent history list, and so on.
   - **Yes** hides the phone number, so you cannot view or edit it. *You cannot undo this setting.*

••• Saving a callback number

This feature lets you copy a number from the recent history list into the phone book.

1. Press the key under [BOOK].
2. Press the key under [CALLS]. *The recent history list appears.*
3. Scroll to the number you want.
4. Press the key under [VIEW] (if present) to view the entry and see the available options.
5. Press the key under [SAVE].
6. Enter a name to go with the number, following the directions on the screen.

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Saving a name with the number

To enter letters, press the key labeled with the letter you want. For instance, if you press 2 abc, the letter A appears on the display. Press 2 abc again to cycle through the remaining letters.

Two seconds after you choose a character, or when you enter another letter, the cursor moves to the right one space. You can also press ★▲ or #▼ to move the cursor backward or forward.

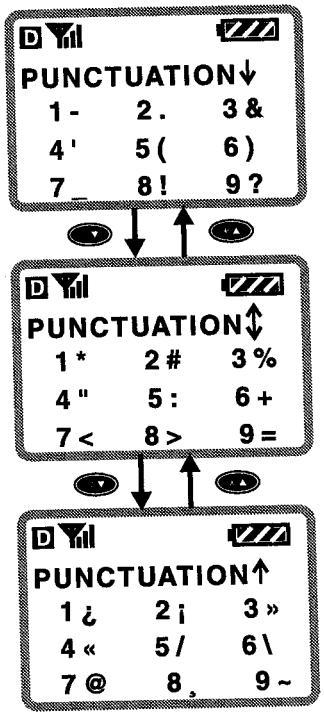
Example. To enter the name "Ann," press 2 abc once to enter the capital letter "A." Press the key under [A->a] to switch to lower case. Press 6 mno twice to enter a lower case "n." Move the cursor to the last space and press 6 mno twice again to enter the second "n."

••• Using upper and lower case

1. The letters start out in upper case. Press the key under [A->a] to change to lower case.
2. Press the key under [a->A] to return to upper case.

••• Entering punctuation characters

1. While entering a name, press (i) to open a list of 27 punctuation characters (shown below). Each character is associated with a number key.



2. Use ✱▲ or #▼ to move up or down between the three screens of characters.

3. To enter a punctuation mark, press the number associated with it. To cancel out of the screen without entering a punctuation mark, press (C).

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Special characters

Your phone supports English, French, Spanish, and Portuguese displays. If you select the English language in the Display > Language menu (**6 7**), you can use the number keys to enter the letters printed on the keys. If you select another language, you can also enter letters with accents, cedillas, circumflexes, and other marks. Press the keys as indicated below to enter special characters. The lower case order is the same as the upper case order.

Key	French	Spanish	Portuguese
2 abc	A À Â B C Ç 2	A À Á Â B C Ç 2	A Á B C 2
3 def	D E Ë È É Ê F 3	D E È É Ê F 3	D E É F 3
4 ghi	G H I Ï Î 4	G H I Í 4	G H I Í 4
6 mno	M N O Ô Œ 6	M N O Ò Ó Ô Õ 6	M N Ñ O Ó 6
8 tuv	T U Ü Ú V 8	T U Ü Ú V 8	T U Ü Ú V 8

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Entering pauses and hyphens

You can save pauses and manual hyphens along with numbers.

Pauses are useful for dialing numbers like voice mail access lines or any numbers that require a security code or credit card number. There are two kinds of pauses.

Timed pauses are two seconds long.

Hard pauses cause the phone to stop dialing until you press the key under [RESUME].

Hyphens are only for show. You can insert manual hyphens wherever you like, whereas automatic hyphenation inserts hyphens according to the North American numbering plan. Entering a manual hyphen suspends any automatic hyphenation for that number.

Pauses and manual hyphens count towards the 32 characters in the number.

••• Entering pauses or hyphens

1. Start entering the number.
2. Press to insert a pause or manual hyphen.
3. Press one of the following keys:

   1 to insert a hard pause

   2 abc to insert a timed pause

   3 def to insert a manual hyphen

4. Enter the rest of the numbers and the name as usual.

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Dialing from the phone book

If you forget the memory location number... Press the key under [BOOK]. Press ✱▲ or #▼ to scroll up or down through the phone book until you see the memory location number and its associated entry. You can also search for the entry by name (see "Searching the phone book" on page 30).

••• Speed dialing

➤ From standby mode, enter the memory location number and press SEND.

••• Dialing from a memory location

1. Press the key under [BOOK].
2. Scroll to the phone book entry.
3. When you see the entry, press SEND to place the call.

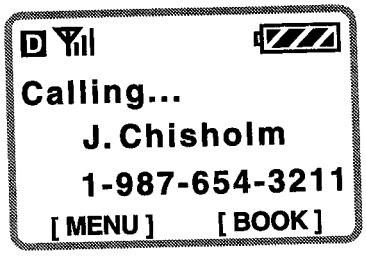
Touch dialing

Use this menu-activated feature to call numbers without pressing SEND. If touch dialing is not active on your phone, press the key under [MENU] and press **5 6** to go to the Features > One Touch menu item. Select **Enabled** to activate touch dialing.

••• Using touch dialing

➤ From standby mode, enter the memory location number on the keypad. Hold down the last digit until you see the message "Calling..." along with the phone book data.

Example. To touch dial the phone number for J. Chisholm in memory location 16, press 1, then hold down the 6 mno key until "Calling J. Chisholm 1-987-654-3211" appears on the display as in the following image.



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••• Editing a number "on the fly"

You can change a number from the phone book or recent history list right before dialing. For instance, you may want to add long distance codes before the number to dial from outside your home system.

1. Recall a number from the phone book or recent history list.
2. Press a character, such as 1, to start editing.
3. Use * ▲ or # ▼ to move the cursor backward or forward, and add or delete numbers as you wish.
4. If you wish, press the key under [SAVE] to save the edited number to the phone book. If you do not save the number, the changes only apply to the current call.
5. Press SEND to dial the edited number.

Changing the phone book

••• Editing a phone book entry

You can change the phone number, name, and memory location of any non-secret phone number. You can also make non-secret numbers secret.

When you edit the phone book entry, it brings up an editing screen for each element in turn. Press the key under [OK] to skip over a screen without changing anything, or to accept the changes you have made and move to the next step. When you finish making all your changes, a confirmation message appears on the screen.

1. Press the key under [BOOK].
2. Go to the phone book entry.
3. Press the key under [VIEW] if necessary to see details of the entry.
4. Press the key under [EDIT]. *The number appears by itself. You cannot edit secret entries.*
5. Edit the phone number if you wish, using C, *▲, #▼, and the digit keys.
6. Edit the name if you wish.
7. Edit the memory location number if you wish.
8. Save the entry as secret or non-secret.

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••• Erasing a number

1. Press the key under [BOOK].
2. Go to the phone book entry.
3. Press the key under [VIEW] if necessary to see details of the entry.
4. Press the key under [ERASE], then press the key under [OK] to confirm that you want to erase the memory location.

"-erased-" appears on the display to indicate that you successfully deleted the entry.

Erasing secret numbers

If you try to erase a secret phone book entry, the phone asks you to enter your four-digit lock code. The default lock code is typically 0000 or the last four digits of your phone number. The Security > New Code menu option (**4 3**) lets you change your code.

Searching the phone book

The phone automatically sorts the phone book by memory location number. To sort the entries alphabetically, change the setting in the Display > Sort Book menu option (**6 2**).

••• Scrolling through the phone book

1. Press the key under [BOOK].
2. Use or to scroll up or down through the list.

••• Searching by name

If you enter a single letter, the display shows the first name in the list that begins with that letter. If no name in the list begins with that letter, the display shows the next entry in alphabetical order. The Name search is not case sensitive, so it does not matter whether you enter an upper or lower case letter.

For example, if you enter the letter "P," the phone might display an entry for "Peter." If no entries began with "P," the phone would show the next entry after the "P"s. If the next entry was in the "R"s, you might see the entry for "Rabbits by Ralph."

If you enter three or more consecutive letters in the name, the display shows the first name in the list that contains those letters. For example, if you enter the letters "cake," the phone might show the entry for "Heidi's Hotcakes."

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1. Press the key under [BOOK].
2. Press the key under [NAME].
3. Enter the first letter of the name, or enter part of a name (such as "ave" for "Dave") and press the key under [FIND].

Searching by phone number

To search for a number in the phone book, all you need to do is remember three consecutive digits. The first matching number appears on the screen. If more than one number contains those digits, the phone lists them all. Use the volume keys to scroll up or down the list.

1. From standby mode, enter three or more consecutive digits of the number.
2. Press the key under [FIND].
3. Press SEND to dial the number.

Searching by memory location

1. Press the key under [BOOK].
2. Enter the two-digit memory location number, such as **02** for the second entry. *The phone book entry appears.*

[VOICE MAIL AND SHORT MESSAGES]

Many portable phones come with voice mail service. When your phone is turned off, calls automatically go to your voice mail. Some service providers allow people to send short messages such as pages or email to your phone.

Types of messages

Voice mail. When you receive a voice message, the voice mail system sends a notification to your phone. You must call your voice mail service to hear the message.

Page/Msg. When a caller enters a number into your voice mail instead of a voice message, it appears on your phone as a numeric page. Some operators can also send numeric pages or preset text messages. If you have email service for your phone, email may appear as a text message. You can view pages and messages on your phone display.

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Alerts

When you receive voice mail or short messages, your phone alerts you in three ways:

- A message on the display says "Page/Msg" or "Voice Mail." Asterisks indicate that the message is urgent.
- An envelope icon, which blinks if the message is urgent.
- Four beeps. To turn off the beep, go to the Volume > Message Volume menu item (**2 4**).

Press to open the message screen. Use the volume keys to scroll to "Voice" or "Page/Msg." Press the key under [OK] to view the messages.

Memory

Your phone can store up to 700 bytes of messages, which is approximately 23 16-character messages.

When the available memory falls to less than 25% of the total memory, the phone beeps and displays a "Low Memory" message.

When the phone runs out of memory, it beeps and displays the message "Out of Memory." It does not accept any new messages. When this happens, erase old or unimportant messages to free up some memory.

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Voice mail

Each voice mail notification automatically erases the previous notification. It does not erase the actual message in your voice mail.

••• Listening to your voice mail

1. When ✉ and "Voice Mail" appear, press ✉.
2. Scroll to the "Voice" line on the display, then press the ⬭ key under [OK] to view the notification.
3. If a callback number for your voice mail service appears, press SEND to dial it. If there is no callback number, return to standby mode and dial your voice mail service.
4. Follow the recorded prompts on the voice mail system to listen to your message.

••• Erasing voice mail notifications

Erasing the voice mail notification does not erase any of the messages on your voice mail system.

1. While viewing the voice mail notification, press the ⬭ key under [ERASE] to delete it.
2. Press the ⬭ key under [YES] to confirm that you want to erase.

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Pages and text messages

••• Viewing a page or text message

1. When ✉ and "Page/Msg" appear, press ✉. *The screen tells you how many new pages and text messages you have.*
2. Scroll to the "Page/Msg" line, then press the key under [OK]. *The first new message opens automatically. If there are old messages but no new messages, a list of old messages appears.*
3. Use ✳▲ or //▼ to scroll through the list.
4. Press the key under [VIEW] to look at a message.

••• Dialing a callback number

1. After viewing the page or text message, press SEND.
2. If the message includes a callback number, press SEND again to dial it.

••• Saving a callback number

1. After viewing the page or text message, press SEND.
2. Press the key under [SAVE] to save the number to the phone book.

••• Erasing a page or text message

1. After viewing a page or text message, press the key under [ERASE].
2. Press the key under [YES] to confirm that you want to erase.

[MENUS]

Menus allow you to check or change phone settings. This section illustrates the menu structure, explains how to use menus, and defines each menu item.

••• Opening menus

1. Press the key under [MENU]. *A list of the menus appears.*
2. Use the volume keys to scroll up and down through the menus. Press the number that corresponds to the menu you want to open. You must provide your lock code to open the Security menu.
3. Scroll through the items on the menu. Press the number that corresponds to the item you want.

Note: Sometimes just selecting the menu item toggles the setting (for instance, with the Keyguard). In other cases, selecting the menu item opens a list of options.

••• Setting a menu item

1. Press the key under [NEXT] to cycle through the options.
2. When you see the option you want, press the key under [OK]. *A check mark appears beside the selected option.*

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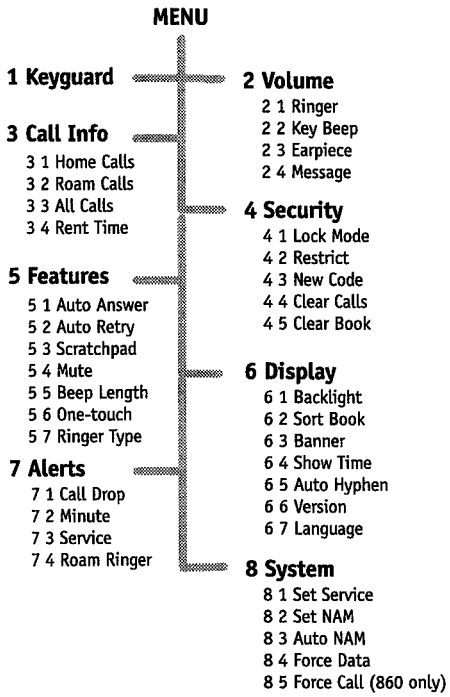
••• Backing up

➤ Press C once to cancel out of the current menu item or return to the previous menu level without saving changes. Press END once to return to standby mode without saving changes.

What's on the menu?

The following diagram shows the menu structure.



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Menu item descriptions

1. Keyguard

This feature disables the keypad to protect your phone against accidental key presses. You can still press SEND to answer an incoming call. Select this menu item to turn the keyguard on. becomes the left Smart Key. Press it, then 1, to turn off the keyguard. See "Using the keyguard" on page 10 for more details.

2. Volume

The items in this menu enable you to adjust the volume of the ringer, keys, earpiece, and incoming message alert. Different menu options appear if your phone is attached to the Hands-free Car Kit or the Hands-free Headset: for example, Car Speaker and Headset Volume.

2-1. **Ringer** Adjusts the ringer volume. The **Escalate** setting makes the ringer progressively louder with each ring. You can also adjust the ringer volume with the volume keys on the side of the phone when the phone is ringing or in standby mode. Possible settings: **off**, **escalate**, **low**, **M-**, **M+**, **high**.

2-2. **Key Beep** Adjusts the key beep volume. Possible settings: **off**, **low**, **M-**, **M+**, **high**.

2-3. **Earpiece** Adjusts the earpiece volume. You can also adjust the volume during a call by pressing the volume keys on the side of the phone. There are seven volume levels.

2-4. **Message** Adjusts the incoming message alert beep. Possible settings: **off, low, M-, M+, high**.

3. Call info

The items in this menu allow you to see the number and duration of various kinds of calls. Duration is always measured in minutes and seconds.

3-1. **Home calls** Displays the duration of all calls you made in your home system (that is, not roaming) since the last reset. Press the key under [RESET] to reset.

3-2. **Roam Calls** Displays the duration of all calls you made outside your home system (that is, while roaming) since the last reset. Press the key under [RESET] to reset.

3-3. **All Calls** Displays the duration of all calls you have made on your phone. You cannot reset this menu item.

3-4. **Rent Time** Displays the number and duration of all calls according to your billing plan.

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This menu option may not be present or active on all phones. See your service provider for any questions. Press the key under [RESET] to reset.

4. Security

You must enter your four-digit lock code to open the Security menu. The default lock code is usually either 0000 or the last four digits of your phone number. If you forget your lock code, call your service provider.

4-1. **Lock Mode** Activates a security lock using your four-digit lock code. When the keypad is locked, you can only call emergency numbers or receive incoming calls. All other phone functions are disabled. To unlock the phone, press the key under [UNLOCK] and enter your lock code. Possible settings: **on power up, now** (resets to **never** when you enter your lock code), **never.**

4-2. **Restrict** Limits your outgoing calls to emergency numbers, designated service provider numbers, and the numbers in the phone book. You may answer incoming calls and view or dial the phone book numbers, but you

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cannot erase, add, or edit any numbers. Possible settings: **yes, no.**

4-3. **New Code** Allows you to change your lock code.

4-4. **Clear Calls** Erases the recent history list.

4-5. **Erase Book** Erases the entire phone book. There is no undo feature.

5. Features

5-1. **Auto Answer** Sets the phone to automatically pick up after two rings. This feature is useful in combination with the Hands-free Car Kit. Possible settings: **on, off.**

5-2. **Auto Retry** Redials failed calls five times or until the call goes through. Auto Retry does not apply when the phone line is busy: only when the system is busy or unavailable. Possible settings: **every 60 seconds, every 30 seconds, every 10 seconds, off.**

5-3. **Scratchpad** Lets you add phone numbers to the recent history list during a call without sounding key beeps. The scratchpad is only active during calls. To open the scratchpad, press the key under [MENU] and press **5 3**. Enter the information and press the key under [ADD].

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5-4. **Mute** Switches the microphone on and off during a call. When the microphone is off, the other party cannot hear you. Possible settings: **on, off.**

5-5. **Beep Length** Sets key beep length and touch tone playback speed. **Normal** length emits a short beep. **Long** emits a beep for as long as you hold down a key. Possible settings: **normal, long.**

5-6. **One Touch** Enables touch dialing. See "Touch dialing" on page 25 to learn how to use this feature. Possible settings: **enable, disable.**

5-7. **Ringer Type** Sets the sound of the incoming call alert. Press the key under [NEXT] to cycle through the settings. Each ring plays automatically. Possible settings: **standard, options 1 - 9.**

6. Display

6-1. **Backlight** The backlight illuminates the phone display and keypad. It remains on automatically whenever the phone receives power from an external source, such as the Cigarette Lighter Adaptor (Model # TXCLA031) or Hands-free Car Kit (Model # TXCKT031). Possible

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settings: **always off**, **10 seconds** (turns off 10 seconds after the last key press), **30 seconds.**

6-2. **Sort Book** Sorts phone book entries. Possible settings: **alphabetic, location #.**

6-3. **Banner** Up to 12 characters that appear on the display during power up and standby. Press the key under [EDIT] to create or change your banner. Enter characters the same way you do for the phone book (see "Saving a name with the number" on page 21).

6-4. **Show Time** Displays the date and time during standby mode. Possible settings: **yes, no.**

6-5. **Auto Hyphen** Hyphenates phone numbers according to the North American numbering plan. Automatic hyphenation does not affect dialing in any way, nor does it count towards the 32-digit limit in the phone book. Possible settings: **on, off.**

6-6. **Version** Displays the software version and product model of your phone. Press the key under [MORE] for more information, such as your electronic serial number (ESN).

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6-7. **Language** Sets the language that appears on the phone. Enables you to use the number keys to type accented characters as well as the letters that appear on the keys (See "Special characters" on page 23 for a list.) Possible settings: **English, Français, Portugues, Español.**

7. Alerts

7-1. **Call Drop** The phone beeps and shows a message when you drop a call or lose service. Possible settings: **on, off.**

7-2. **Minute** The Minute Minder alert beeps ten seconds before each minute during a call. This helps you track your phone use. Possible settings: **on, off.**

7-3. **Service** The Service alert beeps when a network service parameter changes. For instance, it beeps if you move out of your service area and start roaming (which could lead to higher costs), or if the call changes from digital to the less-secure analog service. Possible settings: **on, off.**

7-4. **Roam Ringer** Assigns a distinct ring to incoming calls that occur when you are roaming. Possible settings: **on, off.**

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8. System

The items on this menu enable you to set phone network options.

8-1. **Set Service** Determines how your phone searches for a signal outside your home system and which signals it will accept. **Automatic,** the default and recommended setting, accepts whatever system the phone service provides. **No Roaming** prevents you from making or receiving any calls outside the home system. The QCP-860 phone has two other options, **A Side** and **B Side.** They refer to the two cellular blocks. By selecting one block, you prevent your phone from operating on the other block. Possible settings: **Automatic, A Side** (QCP-860 only), **B Side** (QCP-860 only), **No Roaming.**

8-2. **Set NAM** If you have phone accounts with multiple service providers, use this menu item to set your NAM (Number Assignment Module) correctly for your current area. For instance, if you travel frequently between two cities, you might have a phone account set up in each city. When you are in City A, use

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this menu item to change to your City A account. If you do *not* have a NAM in City A, then all your phone calls would be "roaming" calls and would incur higher charges.

8-3. **Auto NAM** Allows the phone to automatically switch to one of the programmed NAMs when it detects the appropriate network signal. Leave the setting at "off" unless you have accounts with multiple service providers. Possible settings: **on, off.**

8-4. **Force Data** Determines whether the phone can receive voice and data calls, or just data calls. **No**, the default setting, allows both *if* your phone network can distinguish between voice and data. **Next call** forces the next call into data mode. **All calls** forces the phone into data mode until you reset the menu to **No** or turn off the phone. Possible settings: **no, next call, all calls.**

8-5. **Force Call** This menu option only appears on the QCP-860 dual-mode phone. It forces the phone into analog mode until the end of the next incoming or outgoing call, or for the next ten minutes.

[CARING FOR YOUR PHONE]

Use the following guidelines to optimize the performance and life of your phone, antenna, and battery.

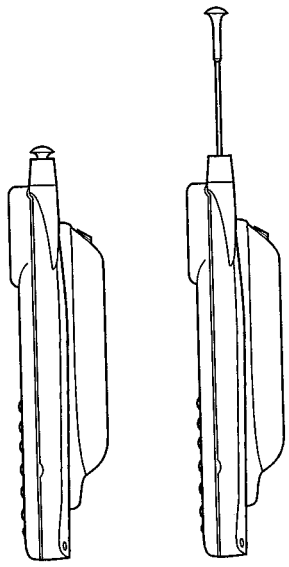
Phone

- **Do not let unauthorized personnel install or service your phone or accessories.** Faulty installation or service may be dangerous, and will invalidate your warranty.
- **Only use QUALCOMM-authorized accessories.** Using other accessories invalidates the warranty and may also damage your phone.
- **Keep it dry.** If the phone gets wet, turn the power off immediately and remove the external battery. Let it dry before you use it again. If the phone is inoperable, return it to the dealer for service.
- **Treat it gently.** Although your phone is quite resilient, it is a complex piece of hardware and can be broken. Use common-sense guidelines to avoid dropping it, hitting it, bending it, or sitting on it. You can add to the phone's safety and style by obtaining the fitted Leather Case (Model # TXLCC031).

Antenna

Follow these guidelines to get the best reception possible.

- Fully extend the antenna when you place or receive a call.
- Do not touch the antenna while you are on a call.
- Do not bend or twist the antenna.



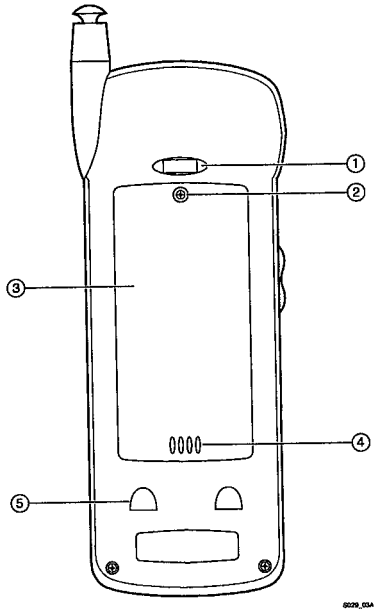
Antenna down **Antenna up**

S029_02

Battery

Your phone comes with an internal LiIon battery (illustrated below) that provides excellent talk and standby time. Leave this battery in the phone at all times. You can purchase external batteries that snap onto the back of the phone for extended talk and standby time.

LiIon batteries do not have any "memory effect," so you can safely recharge the battery whenever you want. You can recharge the battery for years before it shows any sign of age.

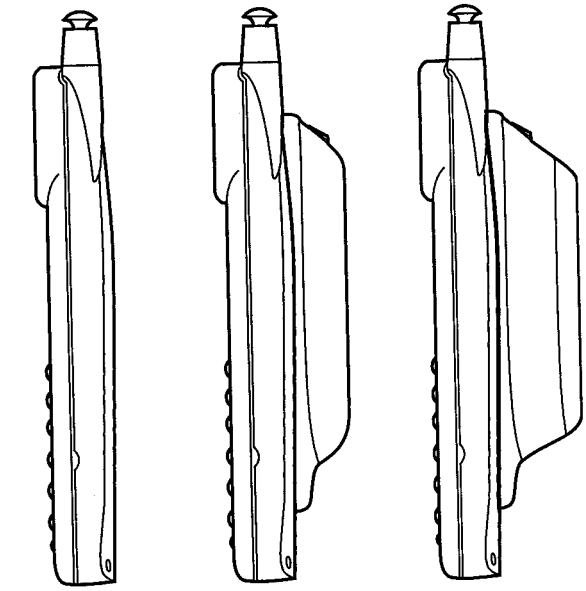


1. Latch	Holds the top of the external battery in place.
2. Screw	Holds the internal battery in place. Do not remove the internal battery at any time. If you ever need to replace the internal battery, have your QUALCOMM service center install a replacement.
3. Internal battery	The internal battery is flush with the back surface of the phone.
4. Contacts	The external battery rests against these contacts, which allow it to transmit energy to the phone.
5. Slots	The two "teeth" at the base of the external battery fit into these slots. The combination of the teeth and the latch hold the external battery firmly in place.

External batteries

You can snap an optional external battery onto the back of your phone. The external battery does not replace the internal battery, but provides extra-long talking and standby time. The convenient Hot Swapping feature prevents you from dropping calls when one battery is low (see "Hot swapping" on page 54).

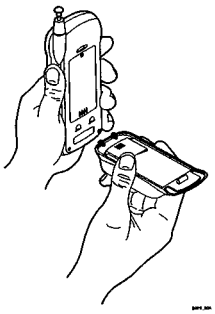
You can choose from various external battery options, such as the External Slim LiIon Battery (Model # TXBAT032) or the External Extended LiIon Battery (Model # TXBAT033), shown below.



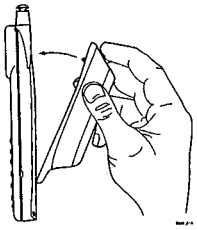
No external battery | With External Slim battery | With External Extended battery

S029_53A

••• Attaching an external battery



1. Insert the two teeth on the battery into the corresponding holes on the back of the phone.



2. Rotate the top of the battery towards the phone until it latches into place.

••• Removing an external battery

1. Push the button on the top of the battery cartridge to disengage the battery.
2. Slide the battery towards the top of the phone, then pull the battery away from the phone.

Caution: It is illegal in some areas to dispose of LiIon batteries in household or business trash. Contact your nearest QUALCOMM Service Center for safe disposal options. Do not handle a damaged or leaking LiIon battery.

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Battery power levels

The phone uses all the power in the external battery before it starts to use the internal battery.

The battery icon on the display shows the amount of charge left in your battery. The more black bars there are in the image, the fuller the battery is. The battery icon reflects the charge level of the external battery (if attached) as long as it has a charge. Otherwise, it tracks the internal battery level.

Fully charged **Partially charged** **Empty**

When your battery is very low, the icon on your display blinks, the phone beeps, and a message alerts you to the low battery level. Press the key under [OK] to acknowledge the message.

Tip: To reduce unnecessary drain on your battery, turn backlighting to "always off." (See "Display" on page 43 for details.)

Hot swapping

If the external battery runs out of power during a call, the internal battery takes over automatically without dropping the call. This is called **hot swapping**. When you acknowledge the low battery message and remove the

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external battery, the battery icon starts displaying the status of the internal battery.

If your internal battery falls low during a call and you happen to have a fully charged external battery on hand, just snap on the external battery. The phone automatically starts drawing from the external battery without dropping the call.

Follow these guidelines to improve battery performance.

- Do not disassemble or short-circuit the battery.
- Keep the metal contacts at the base of the battery clean.
- If you have not used an internal or external battery for more than a month, recharge it before using it.
- Replace the internal battery when it no longer maintains a charge.
- Do not use any battery in direct sunlight or in places with high humidity, such as the bathroom.
- Never dispose of any battery in or by a fire. It could explode.
- Do not charge any battery if the temperature is below 32°F (0°C) or above 122°F (50°C).
- Do not store any battery in hot areas for long periods of time. Follow these storage guidelines:

  under 1 month: -4°F (-20°C) to 140°F (60°C)

  over 1 month: -4°F (-20°C) to 113°F (45°C)

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Charging accessories

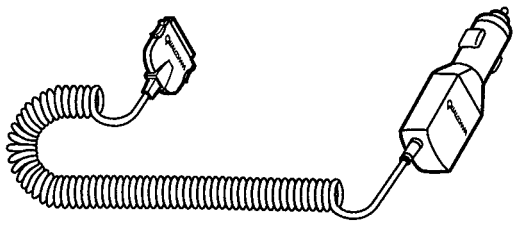
There are several charging accessories available for your phone. You can use the accessories with or without an external battery attached to your phone. Consult the documentation that came with the charging accessory to find out standard charging times and operating details.

If an external battery is attached to your phone, the charging accessories charge the internal battery first, then the external battery.

You do not need to completely discharge any of the LiIon batteries before charging them. Unlike some batteries, there is no memory effect that degrades performance.

Cigarette Lighter Adaptor (Model # TXCLA031).

This accessory lets you plug your phone into the cigarette lighter on your car's dashboard. The phone battery charges itself off the car battery. Charging stops when you are on a call.



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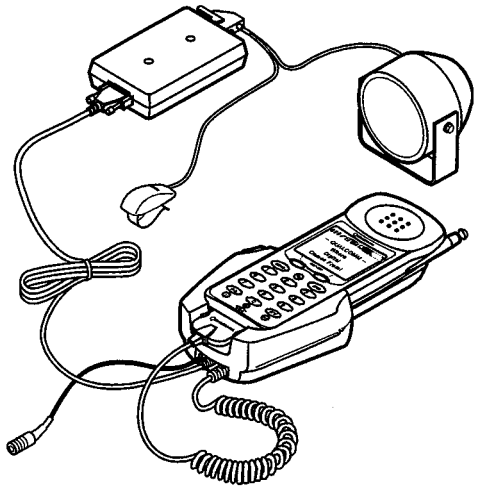
Hands-free Car Kit (Model # TXCKT031). Like the Cigarette Lighter Adaptor, this accessory charges your phone battery(ies) off your car battery. The microphone and speaker attachments let you use your phone in hands-free mode. This may increase your safety while driving.



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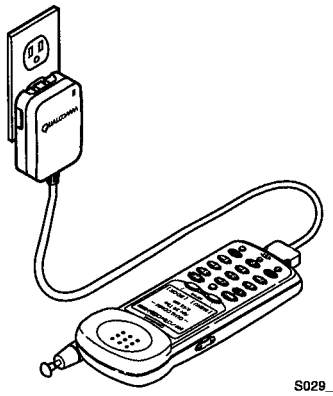
Global Travel Charger (Model # TXTVL031). This charger includes a power cable and an AC adaptor. Attach one end to your phone and plug the AC adaptor at the other end into a standard wall outlet. Use commercially available plug adaptors for international use.



S029_65A

Desktop Charger. Set the desktop charger on your desk or any other flat surface and plug it into a standard wall outlet. The charger can hold up to three batteries: the battery inside the phone, an external battery attached to the phone, and a second external battery on a rear port.

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Power save mode

Your phone automatically switches to a power-save mode if it has not found a signal after about 15 minutes of searching. Power-save mode decreases the drain on the battery.

When the phone is in power-save mode, you cannot make or receive calls. "Power Save Mode" and the No Signal icon ( ) will appear on the display.

The phone periodically rechecks for a signal. Press any key to manually check for service. When the phone finds a signal, it automatically switches out of power-save mode and displays the Signal Strength icon ( ) at the top of the display.

[SAFETY INFORMATION]

Radio Frequency (RF) energy

Your telephone is a radio transmitter and receiver. When it is on, it receives and also sends out RF energy. Your service provider's phone network controls the power level of the RF signal. This power level can range from 0.006 watts to 0.2 watts.

Exposure to RF energy

In August 1996, the U.S. Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. These guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies in the following reports:

ANSI C95.1 (American National Standards Institute, 1992)

NCRP Report 86 (National Council on Radiation Protection and Measurements, 1986)

ICNIRP (International Commission on Non-Ionizing Radiation Protection, 1996)

Your phone complies with the standards set by these reports and the FCC guidelines.

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Medical devices

Pacemakers. If your portable wireless phone is too close to a pacemaker, the phone's RF energy may interfere with the pacemaker's operation. The Health Industry Manufacturers Association and Wireless Technology Research recommend that you follow these guidelines to minimize the potential for interference.

- Always keep the phone at least six inches (15 centimeters) away from your pacemaker when the phone is turned on.
- Do not carry your phone near your heart.
- Use the ear opposite the pacemaker.
- If you have any reason to suspect that interference is taking place, turn your phone off immediately.

Hearing aids. Some digital wireless phones may interfere with hearing aids. In the event of such interference, you may want to consult your service provider or call the customer service line to discuss alternatives.

Other medical devices. If you use any other personal medical device, consult the manufacturer of the device to determine if it is adequately shielded from external RF energy. Your physician may be able to help you obtain this information.

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In health care facilities. Turn your phone off in health care facilities when instructed. Hospitals and health care facilities may be using equipment that is sensitive to external RF energy.

Potentially unsafe areas

Posted facilities. Turn your phone off in any facility when posted notices require you to do so.

Aircraft. FCC regulations prohibit using your phone on a plane that is in the air. Turn your phone off before boarding aircraft.

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.

Blasting areas. To avoid interfering with blasting operations, turn your phone off when you are 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 when you are in any area with a potentially explosive atmosphere. Obey all signs and instructions. Sparks 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 gas stations
- below deck on boats
- transfer or storage facilities for fuel or chemicals
- vehicles using liquefied petroleum gas, such as propane or butane
- areas where the air contains chemicals or particles such as grain, dust, or metal powders
- any other area where you would normally be advised to turn off your vehicle engine

Emergency numbers

Emergency numbers are a special kind of speed dial number. You can dial an emergency number any time the phone is on and receiving a signal, unless you have activated the keyguard.

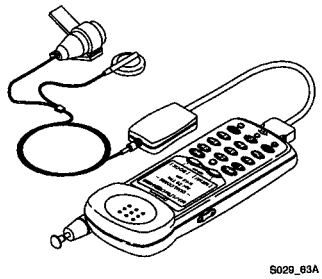
Driving safely

Talking on the phone while driving is extremely dangerous. It is illegal in some states in the U.S. and in some countries. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them. Remember, safety comes first.

The following ten guidelines for using your phone in a car or while driving are based on a list provided by the Cellular Telecommunications Industry Association (CTIA).

1. **Get to know your wireless phone and its features, such as speed dial (page 18) and redial (page 12).** These features help you to place your call without taking your attention off the road.

2. **When available, use a hands free device.** Add additional convenience and safety to your wireless phone with one of QUALCOMM's hands-free accessories, such as the Hands-free Car Kit (Model # TXCKT031) and the Hands-free Headset (Model # TXCKT031, shown below).



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3. **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4. **Let the person with whom you are speaking know you are driving.** If necessary, suspend the call in heavy traffic or hazardous weather conditions.

5. **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or scrolling through your phone book takes attention away from your primary responsibility: driving safely.

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

7. **Do not engage in stressful or emotional conversations.** Make people with whom you are talking aware that you are driving. Suspend conversations that have the potential to divert your attention from the road.

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

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9. **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10. **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, call 1-888-901-SAFE (in the U.S.) or visit CTIA's website at wow-com™ (http://www.wow-com.com).

Failure to follow these instructions may lead to serious personal injury and possible property damage.

Air bags

If you have an air bag, DO NOT place installed or portable phone equipment or other objects over the air bag or in the air bag deployment area. Air bags inflate with great force. If equipment is carelessly placed or not properly installed, you or your passengers risk serious injury.

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