

Welcome

Congratulations! Your state-of-the-art digital cellular phone from Motorola represents the pinnacle of product superiority.

All Motorola digital cellular phones are designed and manufactured to meet Motorola's rigorous specifications and world-class quality standards. During development, our laboratory testing team took the Digital StarTac cellular phone through its paces. They cooked it, steamed it, shook it, shocked it, dusted it, and dropped it—and the phone still worked! We are confident that the one you purchased will meet your own exacting standards.

Thank you for choosing Motorola and, by all means, enjoy your Digital StarTac phone!

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Safety Information

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 Commissions (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) C95.1 1992
- National Council on Radiation Protection and Measurement (NCRP) Report 86 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996

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).

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.

Safety Information

Tips on Efficient Operation

For your phone to operate most efficiently:

- Extend your antenna fully.
- 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 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 it is inside your pocket, purse, or other container with metal objects. Your batteries are packed with a protective cover. When the battery is detached from the phone, please use this cover for storing your batteries.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving—driving safely is your first responsibility.
- Use hands-free 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 electronic 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 (6") inches 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 on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- 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 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

FCC regulations prohibit phone usage while in the air. Switch off your phone before boarding an aircraft.

Safety Information

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 and 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, but are not limited to, 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 would normally 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.

Getting Started

Package Content Options

Your Digital StarTAC™ cellular phone is typically packed with a charger, transformer and at least one battery. Below is a sampling of the different package options.

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



Digital StarTac
Cellular Telephone



Slim Main Battery
with Battery Cover



Standard Main Battery
with Battery Cover



AC Adapter



Slim Auxiliary Battery
with Battery Cover



Holster



Cigarette Lighter Adapter



Headset



Desktop Charger
(AC Adapter required)

Phone Overview

See the inside front cover of this guide for a diagram of the components described below.

Retractable Antenna—Extend for best performance.


Earpiece—Ultra-compact phone speaker.


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


Headset Jack—Provides the connection for an optional headset.


Microphone—Positioned for convenient conversation.

Function Keys—


 **Pwr**—Turns the phone On and Off.


 **Fcn**—Acts as a “shift” key to access the secondary functions of other keys.



 **Rcl**—Recalls phone numbers from memory.


 **Sto**—Stores phone numbers into memory.



 **Clr**—Clears characters from the screen.



 **End**—Ends phone calls.

 **Send**—Places or answers calls.

 **←*** and  **#▶**—Can be used to scroll through memory entries and menu features.

 **Message Button**—Allows access to digital messages.

 **Smart Button**—Use the Smart Button 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 Button.

 **or**  **Volume Keys**—The upper and lower volume keys can adjust keypad, earpiece, and ringer volume. After pressing the Smart Button, the volume keys also scroll through memory entries and menu features.

About Your Batteries

Your Digital StarTAC phone can use either Lithium Ion (Lilon) or Nickel Metal Hydride (NiMH) batteries. Batteries are available in these sizes: Slim, Standard, and Extra Capacity.

Your phone can use two batteries at the same time. You can use any single battery or battery combination to fit your needs. You can even extend your talk-time by attaching an auxiliary battery at any time, without interrupting your call.

Battery Talk- and Standby-Times

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.

Battery	Digital		Analog	
	Talk (up to)	Standby (up to)	Talk (up to)	Standby (up to)
Slim Main Lilon (500mAH)	50 min.	30 hrs.	35 min.	8 hrs.
Standard Main NiMH (500mAH)	50 min.	30 hrs.	35 min.	8 hrs.
Extra Capacity Lilon (900 mAH)	90 min.	55 hrs.	60 min.	15 hrs.
Slim Auxiliary Lilon (900 mAH)	90 min.	55 hrs.	60 min.	15 hrs.

Keep in Mind: Talking on the phone uses more power than leaving it idle. The more power you use for talking, the less you'll have for standby-time, and vice-versa.

For a complete measure of talk-time or standby-time, simply combine the time shown for your main battery to the time shown for your auxiliary battery.

All times depend on the network configuration, signal strength, and the features selected. (Times are approximate for the first 500 charging cycles.)

Your phone will operate more efficiently in Digital mode. If the D icon is on, your phone's performance will be reflected in the digital section of the table on page 11. If the D icon is not on, refer to the Analog section of the table.

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 batteries are shipped uncharged and fitted with protective covers. Before you install the batteries, remove these covers, and save them for storing unused batteries. The covers prevent metal objects from contacting the battery terminals, reducing the risk of injury or damage from a battery short circuit. (See "Charging Batteries" on page 16 when you're ready to begin charging your battery.)

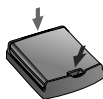
Removing the Main Battery Cover

1. Press and hold the release latch.
2. Pull the battery upward, out of its cover.



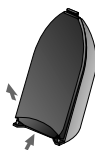
Attaching the Main Battery Cover

1. Set the edge of the battery opposite the release latch into the cover.
2. Lower the release latch side of the battery into the cover until the latch clicks into place.



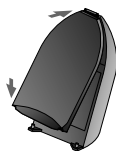
Removing the Auxiliary Battery Cover

1. Hold the battery securely with one hand.
2. With the thumb of your other hand, push the base of the cover upward.
3. Continue pushing until the cover slides free of the pins on the bottom of the battery, and swing the cover away from the battery.



Attaching the Auxiliary Battery Cover

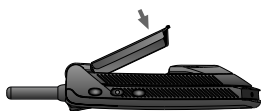
1. Slide the curved end of the cover onto the hook on top of the battery.
2. Push the cover firmly upward until the base of the cover slides past the battery pins; then release.



Installing and Removing Batteries

Installing a Main Battery

1. Set the edge of the battery opposite the release latch into the cover.
2. Press the release latch side of the battery into the cover until the latch clicks into place

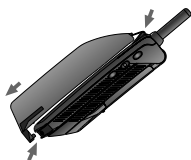


Removing a Main Battery

1. Press and hold the release latch.
2. Pull the battery upward, out of the phone.

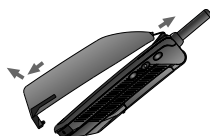
Installing an Auxiliary Battery

1. Place the hook on the battery into the slot on the back of the phone.
2. Pull the battery toward the bottom of the phone until the two pins click into place.



Removing an Auxiliary Battery

Slide the battery down until the two pins release from the base of the phone—then lift the battery off.



Checking Battery Levels

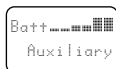
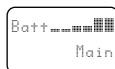
Battery Level Indicator

The three bar segments on your phone's Battery Level Indicator display the amount of charge remaining in your battery. The more segments visible, the greater the charge.

For a detailed battery level reading:

Press **Fcn**, then press **4**.

You will see one of the following:



The more segments filled on the fuel gauge, the greater the charge.

Low Battery Warning

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.

To confirm low battery signals:

Press **Fcn**, then press **4**.

Power Status Messages

You may also see one of the following messages:

Batt Auxiliary	Auxiliary and/or main batteries fitted; the phone is operating from the auxiliary battery.
Batt Main	Auxiliary and/or main batteries fitted; the phone is operating from the main battery.
Charging Auxiliary	Auxiliary and/or main batteries fitted; the auxiliary battery is being charged.
Charging Main	Auxiliary and/or main batteries fitted; the main battery is being charged.



High



Low

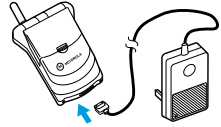
Charging Batteries

Using the Internal Charger.

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

To charge:

1. Plug the AC adapter or cigarette lighter adapter into the accessory connector on the bottom of your phone as shown, with the release tab facing up.
2. Plug the power adapter into a 110V AC electrical outlet. A beep-tone sounds, and the battery icon flashes.



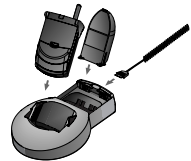
See "Charge Times" on page 18 for charge times.

Using the Desktop Charger

You can use the desktop charger front pocket to charge batteries while they are attached to your phone, and the rear pocket to charge batteries separately.

To charge:

1. Plug the AC adapter into the back of the charger, release tab facing up.
2. Plug the other end of the adapter into an AC wall socket.
3. With battery(ies) attached, place the phone into the charger's front pocket.
4. You can insert an extra auxiliary or main battery into the rear pocket.



Note: The detachable plug assembly included with your package can only be used for this power supply. Do not plug it into any wall outlet without the power supply.

When the phone is charging, the battery level indicator will flash. When the battery is fully charged, this icon will stop flashing. If your phone cannot charge the battery, this indicator will not appear.

Tip:

You can still place and answer calls while using either the rapid charger or the cigarette lighter adapter. Remember that talking on the phone requires energy, so charging will take more time. To place the phone in charger-only mode, press **Pwr** once.

Tip:

If both a main and auxiliary battery are attached, the main battery is charged to 90% before the auxiliary is charged.

Charging Batteries (continued)

Desktop Charger Indicator Lights

- *Red* indicates that the battery is charging.
- *Flashing yellow* indicates that the battery is waiting its turn.
- *Green* means the battery is charged within approximately 90% of its capacity and can be used. Charging the battery for an additional hour brings it up to 100% capacity.
- *Flashing red* indicates that the battery is damaged and cannot be charged.

Charging Two Batteries on the Phone

When you charge your phone with a main and auxiliary battery attached, the main battery is charged first.

To find out which battery is being charged:

Press **Fon**, then press **4**.

Note: If the battery cannot be charged and you press **Fon**, **4**, you will see *Charging Disabled*.

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, Li-Ion batteries should be charged using the E•P™ Desktop Charger, or your phone's internal charger.
- The battery should be at or near room temperature when charging.
- When you don't intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Do not leave a NiMH battery connected to any charger for longer than 24 hours.

Tip:

"batt" is printed on the **4** key, as a reminder.

A new NiMH battery may require several full charge/discharge cycles in order to achieve its optimum performance. After this initial charge, you can recharge your battery at your convenience, using the phone's rapid travel charger.

Quick Change Power Source ("Seamless Connection")

The quick change feature enables you to switch power sources while a call is in progress without losing the call. If you hear a low-battery warning while you are in a call, plug your phone into the Cigarette Lighter Adapter or AC Adapter.

Charge Times

Locate your battery by type to see how long your battery takes to charge to a 90% power level:

Battery Type	Charge Time (hrs)
	Rapid Charger
NiMH Main (500 mAh)	1.25
Slim Lilon Main (500 mAh)	2.5
Extended Lilon Main (900 mAh)	3.0
Lilon Auxiliary (900 mAh)	3.0

After the battery reaches 90%, it begins to slow charge until it is fully charged. It is normal for batteries to become warm during charging.

Basics of Using Your Phone

Turning the Phone On and Off

1. Extend the antenna for best performance.
2. Open your phone to expose the keypad.
3. Press and hold **Pwr** once to turn the phone on.
4. Press **Pwr** again to turn the phone off.



Power On Greeting

When you turn on your Digital StarTac Cellular Telephone, it performs a self-test to let you know it is operational. When the test is completed, the display shows one of several possible greetings. For example, your Service Provider may broadcast its name in your phone's display. If you don't see the name of your Service Provider, then you will see **Home System** when inside your local coverage area or **Public Room** when outside your local coverage area.

Standby Mode

To conserve energy, your phone may turn off its light when in standby mode. The display light comes back the next time you press a key or open the phone.

How to Hold Your Phone

Hold your cellular phone with the antenna fully extended and pointing up and over your shoulder. For best performance, make sure your hand is not covering the antenna.

Storing Your Phone in Its Holster

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

Placing a Call

To place a call:

1. Press and hold **Pwr** to turn your phone on.
2. Extend the antenna completely for best performance.
3. Enter the number you want to call.
 - Press **Clr** to erase one digit at a time if you make a mistake.
 - Press and hold **Clr** to clear the entire entry.
4. Press **Send** to place the call.

or

Press and hold **→** until you hear a second tone.

You will see Dialing XXXXXXXX.

You can dial phone numbers with up to 32 digits, but only the last 20 digits appear in the display.

Press **Rcd** to see the entire phone number.

Ending a Call

To end a call:

Press **End** or close the phone.

or

1. Press and hold **→** until you hear a second tone.
You will see * To End Call.
2. Press **→** again to end the call.

Basics of Using Your Phone (continued)

Receiving a Call

Your phone must be powered on to receive calls.

To answer a call:

1. Extend the antenna completely for best performance.
2. Press **Send** or open the phone when the phone rings.

Note: Opening the phone will not answer the call if the Open to Answer feature is off. (See "Open to Answer" on page 82.)

Unanswered Call Indicator

When you cannot take a call, your Digital StarTac Cellular Telephone keeps a count of your unanswered calls. Your phone alerts you with the message **Call | XX**, where **XX** is the number of calls not answered.

Press **Clr** or **End** to erase the message, and you can begin placing calls again.

Ringer Suppress

You can terminate either the ring or the vibration by pressing one of the volume keys during the ring/vibrate cycle. The caller will continue to hear ringing.

Viewing Your Own Number

To find out your phone's number:

Press **Rd**, then press **#▶**.

Switching from Digital to Analog Mode

During a call, you can switch from digital to analog mode:

To switch to analog mode, press **Fcn**, then press **2**.

Using the Smart Button

Use the Smart Button to place and end calls, enter menus, toggle features on and off, and select items in the display. The Smart Button is the middle key on the left side—easy to feel, easy to find, and easy to use.

The symbol “*#” in your display represents the Smart Button.


Selecting Items in the Display

The most basic use of the Smart Button is for making selections. Whenever you are given a choice such as a ringtone setting, press the Smart Button to select the setting you want.

Toggling Features On and Off

Some of your phone's features toggle on and off. Use the upper or lower volume key to scroll to the desired feature, then press the Smart Button to select it.

Entering the Menu System

Press **Fcn**, then press  to access the menu. You will see **Phone Book**.



Placing a Call


1. Enter the number you want to call.

You can also recall a previously dialed or stored number. (See “Using Memory” on page 27 for details on storing or recalling.)

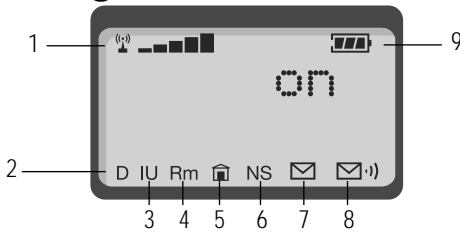
2. Press and hold  to place the call. You will see **Dialing XXXXXXXX**.

Ending a Call

1. Press and hold  until you hear a second tone. You will see *** To End Call**.
2. Press  again to end the call.

Tip:
You can also enter the menu system by pressing **Fcn**, .

Reading the Indicators



Signal Strength Indicator (1)

The Signal Strength Indicator (SSI) indicates the strength of your phone's connection with the local cellular system. A strong signal increases your chances of placing and receiving calls. Low signal strength can occur in a fringe area of the cellular system. Buildings, tunnels, and bad weather can block or interfere with reception.



High



Low

Digital Indicator (2)

If you are in a digital coverage area, the indicator illuminates.

In Use Indicator (3)

The In Use (IU) Indicator illuminates when a call is in progress.

Roam Indicator (4)

The Roam (Rm) Indicator flashes when the phone accesses a cellular service outside your local system. When you leave your service area, your phone roams or seeks another cellular system until it finds one. If your phone finds another service of the same system type as your local service, the Roam Indicator will illuminate. If it finds a different system type, it flashes.

In-Building Indicator (5)

The In-Building Indicator (house icon) lights when the phone accesses an In-Building Cellular System or other non-public system.

No Service Indicator (6)

If you travel beyond the range of a cellular system, the No Service (NS) Indicator illuminates to let you know that calls cannot be placed or received from your location.

SMS Message Waiting Indicator (7)

The Short Message Service (SMS) Message Waiting Indicator (☒) is displayed when the phone receives a message.

Voice Message Waiting Indicator (8)

The Voice Message Waiting Indicator (☒[®]) is displayed when your Voicemail has received a message.

Note: Voicemail and SMS are network- and subscription-dependent features; may not be available in all areas.

Battery Level Indicator (9)

The three bar segments on the Battery Level Indicator show the amount of charge remaining in your battery. The more segments you see, the greater the charge. The phone alerts you to a low charge in three ways:

- No bar segments are highlighted.
- Low Battery appear on your screen.
- A short tone plays periodically.

The phone automatically turns itself off when the charge is exhausted. Charge the battery to resume normal operation.

Power/Status Indicator

While wearing your phone in its holster or carrying it, you can check the Power/Status indicator on top of the phone for status information.

Alternating Red/ Green	Incoming Call
Flashing Green	In Service
Flashing Red	No Service
Yellow, slow flash	Roam: home type system
Yellow, fast flash	Roam: non-home type system



High



Low



Redialing a Number

Automatic Redial

A fast busy signal indicates that the cellular system is busy. With Automatic Redial, your phone calls continuously for the next four minutes. When it makes a connection, the phone rings or vibrates. When the person you are calling answers, you can begin talking.

If you hear a fast busy signal:

1. You will see `Press SND to Redial.`
2. Press **Send** to redial.

If the call does not go through after four minutes:

Press **→**, or press **Send** to continue the call attempt, or press **End** at any time to cancel.

If you hear an ordinary busy signal:

1. Press **End** to hang up.
2. Press **→**, or press **Send** to redial the busy number.

You will see `Dialing XXXXXXXX.`

Displaying the Last Twenty Numbers Dialed

Use this feature to call any one of the last twenty numbers you've dialed.

1. Press **Rcd**, then press **O**, **O**.

The display will show the last number dialed.


2. Press **→** or **↓** to scroll through the last twenty numbers.
3. Press and hold **→**, or press **Send**, to call the number in your display. You will see `Dialing XXXXXXXX.`

Controlling Volume



Adjusting 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 new volume level.

To adjust earpiece and keypad volume:





Press  to raise or lower the volume.

To adjust the ringer volume:

1. Press .
2. Press  to raise or lower the ringer volume.



Muting the Microphone


For privacy during a call, mute the microphone. You can hear the person on the other end, but he or she cannot hear you.

1. Press , then press , to mute the microphone. You will see `Mute`.
2. Press , then press  again, to resume normal conversation.

Silent Vibration Mode

In situations where you don't want your phone to ring, or in noisy places where you may not hear your phone, select the `VibraCall™` Alert function for discrete vibration:

Press , then press , to toggle between ringer and vibration mode. You will see `Vibrate Only` or `Ring Only`.

Tip:
"mute" is printed on the  key, as a reminder.


Using Memory

Use your Digital StarTAC™ phone's internal Phone Book to store up to 99 names and numbers for easy access.


In this chapter you will learn how to:

- store names and numbers into the Phone Book
- recall phone numbers from memory
- dial a number with the Super Speed Dial and Turbo Dial™

Follow these symbols as a guide for using the keys on the side of your phone:

Press  to scroll up.

Press  to select.

Press  to scroll down.



Using Your Phone's Built-in Phone Book

Each phone number in your phone book is stored in a *memory location* numbered 01-99.

Arrange numbers for easy recall by storing related numbers in groups. For example, store the numbers you call most in locations 01-09, business numbers in 10-19, 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.

"Phone Book" on page 41 tells how you to use the Phone Book to place calling card calls and access other automated calling systems with the touch of a button.

Storing Names and Numbers

1. Enter the phone number you want to store.
2. Press **Sto** to begin storing.
The phone prompts you to enter a memory location.
You will see `Location ____`.
3. Enter the two-digit memory location where you want the sequence stored.

or

Press **☎*** to store the sequence in the first available location.

or

Enter the first digit of the memory location, then press **☎*** to store the sequence in the first available location beginning with that digit.

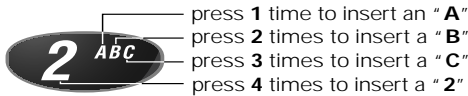
4. Enter a name to identify the phone number. (See the next page for details on entering names.) You will see `Alpha Or *`.
5. Press **→|** or **Sto** when you finish entering the name.
Your phone confirms your entry by displaying the location of the information you stored.

Tip: The "☎*" symbol in your display represents the Smart Button.

Using Your Phone's Built-in Phone Book (continued)

How to Enter Letters

When the display shows **Alpha** or *****, you can press the numeric keys one or more times to produce any letter in the alphabet. Use the letters printed on each key as a guide. For example, press **2** to enter the letters "A," "B," or "C," as shown:



Entering a Name

1. Enter a letter by pressing a key as many times as necessary. Enter punctuation by pressing **1** as many times as indicated by the chart below.

2	3	4	5	6	7	8	9	10
1	/	'	,	?	\$.	&	!

2. Press **#>** to advance the cursor to the next space
or

Press **<*** or **Clr** to erase a letter if you make an error.




3. Continue with step 5 on the previous page when you are finished entering the name.

Tip:

Press the upper or lower side key first, to toggle between upper and lower case letters.




Recalling an Entry by Name

After storing names and numbers, you can recall them alphabetically and immediately place calls. Use the Smart Button for instant access to the name directory.

1. Press  once to enter your name directory.
2. Press  or  to scroll to the name you are looking for.




or

Enter the first letter of the name you want to recall. The display shows the first name in the phone book that begins with that letter. If no entry beginning with that letter is found, No F's is displayed.

3. Press  two times if you want to see the number stored with the name.
4. Press and hold , or press , to call the number you selected.

Recalling an Entry by Memory Location

Each name and number you store is placed in a memory location numbered 01-99. Once you have stored names and numbers, you can recall them by memory location:

1. Press .
2. Enter the two-digit memory location of the phone number you want.
3. Press and hold , or press , to call the number you selected.

Clearing a Memory Entry

1. Recall by name the entry that you want to erase.
(See "Recalling an Entry by Name" on page 30.)

or

Recall by memory location the entry that you want to erase. (See "Recalling an Entry by Memory Location" on page 30.)

2. Press **Clr** to clear the entry.

You will see **Clear?**.

3. Press **Sto** to confirm that you want to erase the entry.

The numbered location of the cleared entry is shown in the display.

Shortcuts for Recalling Phone Book Entries

Using Super Speed Dial

If you know the memory location of the number you want to call, try the Speed Dial function:

1. Enter the two-digit memory location (01-99).
2. Press and hold **→**, or press **Send**, to place the call.

Using Turbo Dial™

The Turbo Dial™ function enables you to dial numbers stored in locations 01-09 with the push of a single button:

Press and hold a number **1** through **9** on the keypad, and your call is placed.

Your phone's Priority Call feature gives you access to any number stored in location 01, even when the phone is locked. To learn how to activate this feature, see "Activating Priority Dialing" on page 67.

To Clear a Location by Location Number:

1. Press **Clr**.
2. Press **Sto** and the location you want to clear.
3. You will see **XX Full Change?**
4. Press **Sto**.

Making Notes on the Scratchpad

In addition to your internal phone book, you also have a built-in scratchpad for making quick notes. The scratchpad remembers the last phone number shown on your display.

Entering a Number in the Scratchpad

If you are on the phone and your party gives you another number to call, enter the number on the scratchpad so you can place the call later.

1. Enter the number into the keypad. (The person on the line can hear tones as you dial.)
2. Press **End** to end the current call, if necessary.
3. Press **Send** to call the number you saved on the Scratchpad.

Storing Numbers During a Call

You can also store numbers during a call:

1. Enter the number into the keypad. (The person on the line can hear tones as you dial.)
2. Press **Sto**, and continue storing with step 3 in "Storing Names and Numbers" on page 28.

Using Short Messaging

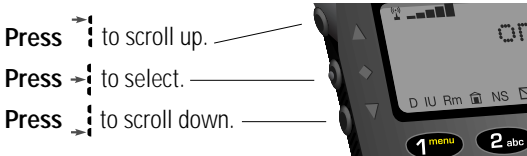
Short Message Service (SMS) is an optional service that may be available from your Service Provider. Contact your Service Provider to subscribe to this service.

If your Service Provider offers Short Messaging Services (SMS), you can receive alphanumeric messages on your Digital StarTAC Cellular Telephone phone, just like a pager. The Digital StarTAC Cellular Telephone saves up to 30 short messages (each 80 characters in length, or 10 full length messages of 240 characters, or 2400 total characters) and automatically replaces the oldest messages with the newest as they are received. You can store Call Back messages and numbers for later review. The one-touch Message Button makes viewing your messages easy.

In this chapter you will learn how to:

- use the message key to access your messages
- initiate a Call Back with the press of a button
- lock and unlock specific messages
- clear one or more messages

Follow these symbols as a guide for using the keys on the side of your phone:




Press  on the keypad to retrieve messages.


How Your Phone Sends Message Alerts

New Message Alerts

If your phone is on and receives a new digital message, the phone alerts you in two different ways:

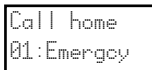
- Message Received appears in the display, and:
 - The message icon  is displayed.
 - The phone beeps three times.

or

- Urgent Msg Received or EMERGENCY MSG RECVD appears in the display, and:
 - The message icon  is displayed.
 - The phone beeps five times.

Short Message Indicators

If the sender has marked the message "Emergency" or "Urgent," the display shows:



Call home
01:Emergency



Call home
01:Urgent

Setting Scrolling Speeds

Adjusting the message scrolling speed is quick and easy. See "Set Scrolling Speeds" on page 87 for details.

Viewing a Short Message

Entering The Message Center

To enter the message center:

Press .

- If the message center has messages, you will see `New XX Total YY`.

where `XX` is the number of unread messages, and `YY` is the total messages currently stored.

- If the message center has no messages, you will see `Msg Center Empty`.
- If the message center is full, you will see `Msg Memory Full`.

Reading The Most Recent Message

Press  to view the most recently received message.


Retrieving a Specific Message

Enter the message number to retrieve a specific message. After a few seconds, the message begins to scroll across the display.

If a message does not match that number, `Invalid Msg Number` appears in the display.

Reading Subsequent Messages

When the current message has scrolled across the display:


Press  to display the next message.

Reading the Time/Date of Message


When the current message has scrolled across the display:

Press  to display the time/date stamp of the current message.

Reviewing Current Message

Press  to display the beginning of the current message once the current message has scrolled past.



Tip:

Pressing  will start or stop a scrolling message. To adjust the scrolling speed, see "Set Scrolling Speeds" on page 87.



Initiating a Call Back

When the current message has scrolled across the display, you can call back a number embedded in the text message.



1. Press and hold , or press , to initiate a Call Back, if a Call Back number was included in the message.


You will see Dial No.? XXXXXXXX.

If a Call Back number was not included in the text message, the phone dials the first number present in the text message.

2. Press , or press , to dial the number shown.


or

Press  or  to search the text message for the next call back number.


Note: While in the message center, you can enter a Call Back number at any time by using the keypad, and then pressing  to place the call.

Exiting the Message Center

To exit the message center:

Press .

or

Press and hold .

Locking and Unlocking a Message

You can lock important messages to ensure their safekeeping for later review. A locked message cannot be deleted until the message is unlocked.

Press **Fcn**, then press **5**, to toggle the current message between locked and unlocked.

Msg Locked is displayed when a message is locked.

Note: If your message memory is full and a new message is received, any unlocked messages that have been read will be deleted.

Clearing Messages

Clearing the Current Message

1. Press **Clr** when the message you want to erase is on the display.

You will see Clear XX Press *, where XX is the number of the message you want to clear.

2. Press **→|** to clear the message.

You will see Message XX Cleared.

or

Press **End** or any other key if you do not wish to clear the message.

Note: You must unlock a locked message before you can clear it. For more information, see "Locking and Unlocking a Message" above.

Clear All Messages

To erase all the messages from your Message Center at once:

1. Press and hold **Clr** when you are in the message center.

You will see *Clear All? Press **.

2. Press **→** to verify that you want all the messages cleared.

or

Press **End** if you decide not to clear all the messages. You are returned to the Message Center.

3. Press **End** to exit from the Message Center.

If all messages have been cleared and no locked messages remain in the Message Center, *Msg Center Empty* appears in the display.

Note: You must unlock any locked messages before they can be cleared. For more information, see "Locking and Unlocking a Message" on page 37.

The Menu System

The Digital StarTAC™ cellular phone includes many features to help you be more productive. The phone's user-friendly menu system helps you find what you need quickly and easily.

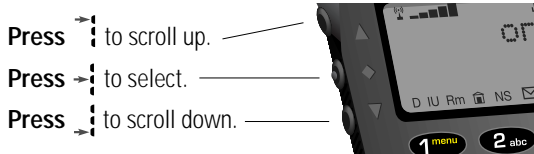
In this chapter you will learn:



- how to navigate through the menus
- how to read a road map

Navigating the Menu

You can navigate through the menu system using the three keys located on the left side of the phone. Use the upper and lower volume keys to scroll to sub-menus and to control volume. Use the middle Smart Button to choose menus and functions.

Follow these symbols as a guide for using the keys on the side of your phone:




If you are already familiar with previous Motorola cellular phones, you can use your phone's  and  keys to scroll through the menu system.

It is also possible to access the menu by pressing , .

Shortcut:

Experienced Motorola Users: Look for "Shortcuts" to find many of the same key sequences you used with other Motorola models.




Tip:

"menu" is printed on the  key, as a reminder.

Road Maps

	Phone Book	p. 41
▶	Timers	p. 53
▶	Tone Control	p. 59
▶	Lock Secure	p. 63
▶	Phone Options	p. 73
▶	Message	p. 85

To help you navigate through the phone's menu system, each chapter begins with an easy-to-follow visual "road map." Simply press the key shown, and observe the message that appears in the display. For example, try this:

1. Press **Fcn**, then press  to enter the menu features.
2. Press  or  to scroll through the menu's top level, shown here in the margin.
3. Press **End** to exit the menu.

Detailed instructions within each chapter describe how each feature works.

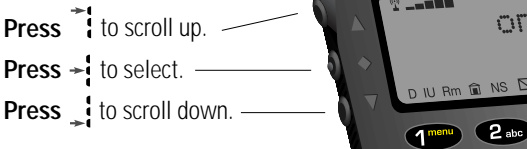
Phone Book

This chapter tells you how to access features using your phone's convenient menu system. You will also learn about advanced storing features that help you use calling cards and access automated calling systems.

In this chapter you will learn how to:

- recall and store phone numbers using the menu system
- simplify automated calling systems like Voice Mail
- store calling card sequences for easy access
- edit your memory information
- view your own phone number.
- adjust the information on the display

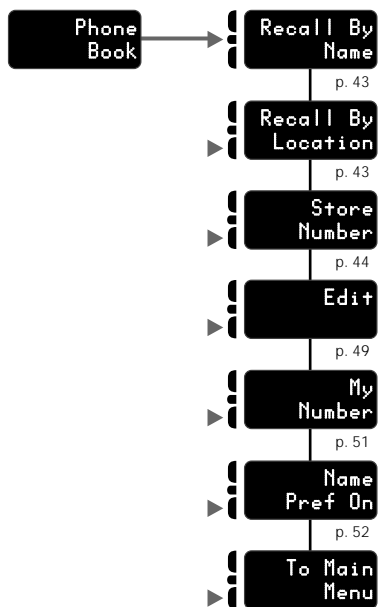
Follow these symbols as a guide for using the keys on the side of your phone:



Road Map

Press **Fcn**, then press **→** to enter the menu system.

Start:



Getting to Phone Book...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Phone Book** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Recalling an Entry by Name

To recall a stored name with the Phone Book menu:

1. Follow the steps in the "Getting to Phone Book..." block to select **Recall By Name**. You will see **Enter 1st Letter**.
2. Enter the first letter of the name you want to recall. The display shows the first name in the phone book that begins with that letter. If no entry beginning with that letter is found, **No A's** is displayed.
3. Press \rightarrow or \leftarrow to scroll to the name you want.
4. Press **Rcl** two times if you want to see the number stored with the name.
5. Press and hold \rightarrow or press **Send**, to call the number you selected.

Recalling an Entry by Location

Each name and number you store is placed in a memory location numbered 01-99. After storing names and numbers, you can recall them by memory location with the Phone Book menu.

1. Follow the steps in the "Getting to Phone Book..." block to select **Recall By Location**. You will see **Location** .
2. Enter the two-digit memory location of the number you want.
3. Press and hold \rightarrow or press **Send**, to call the number you selected.

Storing with the Menu

Use the phone's menu system to store names and numbers into the Phone Book.

1. Follow the steps in the "Getting to Phone Book..." block on the previous page to select **Store Number**. You will see **Enter Number**.
2. Enter the phone number you want to store.
3. Press **→** when you finish entering the number. You will see **Location ____**.
4. Press **←*** to store the sequence in the next available location.

or

Enter the first digit of the memory location and press **←*** to store the sequence in the first available location beginning with that digit.

or

Enter the two-digit memory location where you want the sequence stored.

5. Enter a name to identify the phone number, or skip this step and continue with step 6. (See "Entering a Name" on page 29 for details on entering names.)
6. Press **→** or press **Sto**, when you finish entering the name. Your phone confirms your entry by displaying the location, number, and name you stored. Proceed with step 7 below, or return to step 2 above to store more numbers.
7. Press **End** to exit the menu.

Tip:

You will see **Alpha Or ***. If the chosen location is full, press **End** and restart the storing sequence.

Advanced Storing

Entering a Pause in a Number

When you call automated systems, a recorded message prompts you for PIN numbers, Voice Mail numbers, etc.

You can store these numbers in your phone's memory, separated by "pauses"—special characters that tell your phone to wait before sending additional numbers.

1. Enter the phone number you use to access the automated system.
2. Press **Fcn**, then press **Send**.
You will see `Insert Pause o.`
3. Press **→|** to insert a pause (o) into the sequence.
4. Enter the next group of numbers (such as an account number or PIN number).
5. Enter any other required symbols (such as * or #).
6. Insert another pause using steps 2 and 3 above, and enter the next group of numbers by repeating steps 2 through 4 as many times as necessary.


You can store up to 32 digits, including pauses. Then store the entire sequence as you would any phone number.

7. Press **Sto** to begin storing.
You will see `Location ____`.
8. Enter the two-digit memory location where you want the sequence stored.

You will see `Alpha Or *`.

9. Enter a name for your sequence.







(See "Entering a Name" on page 29 for details on entering names.)

10. Press  when you finish entering the name.

Your phone confirms your entry by displaying the location, number, and name you stored.

Placing a Call with Pauses

To use your stored sequence:

1. Recall the stored number with the pause inserted.
2. Press and hold  or press , to place the call.
3. When the recording prompts you for information, press  or  to send the next set of stored numbers.
4. Press  or press  as many times as necessary, to transmit all the numbers.

Advanced Storing (continued)

Storing Calling Card Information

Like Pause Dialing, you can store calling card access numbers, separated by pauses, for recall later. You can also store a Number Character in the sequence to save a place for the number you call when you use your calling card.

See "Using Lock/Security Features" on page 63 for more information on protecting your calling card information.

1. Enter the phone number you use to access your calling card system. (Skip this step if you only dial 0.)
2. Press **For**, then press **Send**. You will see *Insert Pause* 0.
3. Press **→|** to insert a pause (0) into the sequence.
4. Enter the next numbers, if needed. (For example, some long distance carriers require you to dial a 0 first. If no further numbers are needed, skip to step 6.)
5. Press **For**, then press **Send**.
6. Press **→|** to scroll to the Number Character. You will see *Insert Number* ^N.
7. Press **→|** to insert the ^N Character.


This special character saves a place for the phone number you will be calling. The number is inserted automatically when you place the call.

8. Press **For**, then press **Send**.
9. Press **→|** to insert another pause, as in steps 2 and 3.
10. Enter your calling card PIN number.
11. Press **Sto** to store your calling card sequence.

You will see *Location* ____.






12. Enter the two-digit memory location where you want the sequence stored.

You will see *Alpha Or* *.

13. Enter a name for your sequence. (See "Entering a Name" on page 29 for details on entering names.)
14. Press  when you are finished entering the name.
Your phone confirms your entry by displaying the location, number, and name you stored.

Placing a Calling Card Call

To recall your stored calling card information:

1. Recall the calling card information you stored. (See "Recalling an Entry by Name" and "Recalling an Entry by Location" on page 43 for more information on Recalling Numbers.)
2. Press  before entering the number. You will see Enter Number.
3. Enter the phone number you want to call, including the area code.
Enter the number manually, or recall by location.
4. Press and hold  or press , to place the call.
Your phone dials the number to access your long distance provider.
5. Press  or press , to send the next group of numbers when you are prompted.
The phone automatically inserts the selected number to call at the appropriate time in the sequence.
6. Repeat step 5 to send the next group of numbers as many times as necessary.

Getting to Phone Book...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Phone Book** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Editing a Memory Location

After you store names and numbers in the Phone Book, you can edit the information or erase entries at any time.

1. Follow the steps in the "Getting to Phone Book..." block above to select **Edi+**.
2. Recall the entry by location or by name.
(See "Recalling an Entry by Name" on page 43 or "Recalling an Entry by Location" on page 43.)
3. Press \rightarrow to begin editing the phone number.
The display shows the name briefly, then the phone number.
4. Press **Clr** to erase one digit at a time.
Press and hold **Clr** to erase the entire number.
5. Enter your changes to the phone number.
6. Press \rightarrow when you finish editing the phone number.
The display shows the location where your number is currently stored.
7. Press **Clr** to erase the memory location, then enter a new two-digit location.

or

Press \rightarrow to keep the phone number in its current location.

The display shows the name stored with the phone number you are editing.

8. Enter your changes to the name. (See "Entering a Name" on page 29.)

Press **Clr** to erase one letter at a time, or skip to step 9 to leave the name unchanged.

9. Press **→|** when you finish editing the name. The display shows the new information.

10. Press **→|** to save your changes.

Your phone confirms your entry by displaying the location, number, and name you stored.








or

Press **Clr** to leave the information unchanged.

When you see **Location** __, enter a new two-digit memory location to avoid overwriting the information in the current location.


11. Press **End** to exit, or scroll to other features.

Getting to Phone Book...


1. Press **FCN**, then press  to enter the menu system.
2. Press  or  to scroll to **Phone Book** and press  to select.
3. Press  or  to scroll to the following features, and press  to select.

Viewing Your Own Number

Use this feature to view your phone's currently active phone number. If you have more than one phone number, you can change the active number with the Change Number feature in the Phone Options menu. (See "Switching Between Numbers" on page 77.)

1. Follow the steps in the "Getting to Phone Book..." block to select **My Number**.
2. Press  to view your own phone number.
Your active phone number appears on the screen.
After six seconds, the phone returns to step 1.
3. Press **End** to exit, or scroll to other features.

Shortcut:

Press **Rcl**, then , for a quick look at your phone number.



Phone Book Display Preferences

The Name Preference feature determines the order in which the Phone Book displays information. When you recall information by location and this feature is:

- Off—You see the stored phone number first and must press **Rcl** to see the associated name.
- On—You see the stored name first and must press **Rcl**, **Rcl** to see the associated phone number.

To turn this feature on or off:

1. Follow the steps in “Getting to the Phone Book” to select the Name Preference feature.

You will see `Name Pref On` or
`Name Pref Off`.

2. Press **↔** to toggle between `Name Pref On` and `Name Pref Off`.

3. Press **End** to exit, or scroll to other features.

You should set Name Preference to `Name Pref On` if you subscribe to Caller ID, so that you can see the name of the person who is calling. See “Using Caller ID” on page 75.

Shortcut:

Press **Fon**, then press the Smart Button, then, **1**, **2**, and continue with step 2.

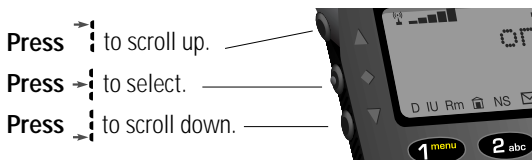
Managing Your Phone Use with Call Timers

Your phone's Call Timers give you a variety of options for managing your time. You can monitor the length of individual calls, set a timer to track monthly usage, or have the phone alert you at intervals that you specify.

In this chapter you will learn how to:

- monitor the length of your calls
- set and view the resettable timer for long-term monitoring
- program audible timers for your individual needs

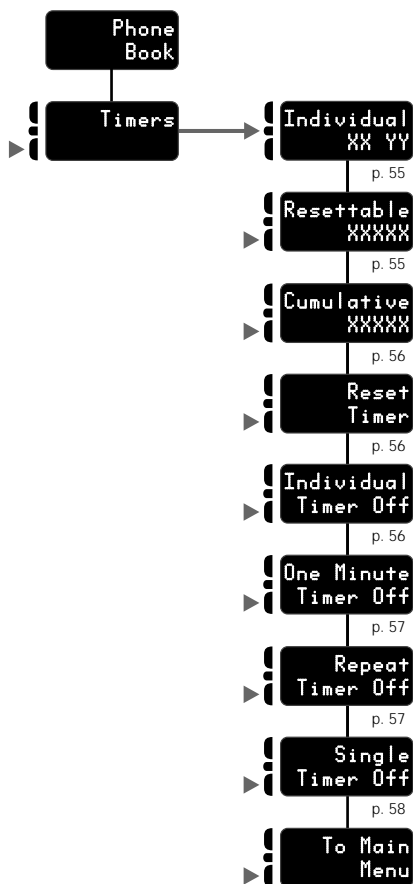
Follow these symbols as a guide for using the keys on the side of your phone:



Road Map

Press **Fon**, then press **→**, to enter the menu system.

Start:



Getting to Call Timers...

1. Press **Fcn**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Timers** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Viewing the Individual Call Timer

You can view the air-time of the most recent call or the call in progress (in minutes and seconds) at any time using this feature. The Individual Call Timer resets when you place the next call and when you turn the phone off. You can also choose to have the timer display while calls are in progress. See "Displaying the Individual Timer Automatically" on page 56.

1. Follow the steps in the "Getting to Call Timers..." block to select **Individual XX YY**. The display will show the air-time of your last call in minutes (XX) and seconds (YY).
2. Press **End** to exit, or scroll to other features.

Viewing the Resettable Call Timer

You can track how much air time you have accumulated at any time. Use this feature to view the time elapsed, and follow the instructions in "Resetting the Timer" on page 56 to reset the timer.

1. Follow the steps in the "Getting to Call Timers..." block to select **Resettable XXXXX**. The display shows your air time in minutes since you last reset the timer.
2. Press **End** to exit, or scroll to other features.

Shortcut 1:

Press **Rcl**, then **#** twice for a quick look at this timer.

Shortcut 2:

Press **Fcn**, then the Smart Button, then **4**, **5**, for a quick look at this timer.

Shortcut 1:

Press **Rcl**, then **#** three times for a quick look at this timer.

Shortcut 2:

Press **Fcn**, then the Smart Button, then **4**, **6**, for a quick look at this timer.

Shortcut 1:

Press **RCI**, then **#▶** four times for a quick look at this timer.

Shortcut 2:

Press **Fcn**, then press the Smart Button, then **4**, **7** for a quick look at this timer.

Shortcut 1:

Press **Fcn**, then press the Smart Button, then **4**, **3** and continue with step 2.

Shortcut 2:

Press **Fcn**, then **0**, **7**, **Clr** to reset the timer.

Shortcut:

Press **Fcn**, then the Smart Button, then **4**, **8** and continue with step 2.

Tip:

Activating the Individual Timer may reduce both standby and talk times.

Viewing the Cumulative Timer

This is a non-resettable timer that keeps track of your phone's total air time (in minutes).

1. Follow the steps in the "Getting to Call Timers..." block to select **Cumulative XXXXX**. The display will show your air time in minutes since your phone was activated.
2. Press **End** to exit, or scroll to other features.

Resetting the Timer

By resetting the resettable timer at the beginning of each billing cycle, you can keep a running tab of your monthly usage. After you reset the timer, it continues to keep track of your air time (in minutes) until you reset it again.

1. Follow the steps in the "Getting to Call Timers..." block to select **Reset Timer**.
2. Press **→|** to reset the timer.
3. Press **End** to exit, or scroll to other features.

Keep in Mind: The shortcuts do not work if the resettable timer is already set at zero.

Displaying the Individual Timer Automatically

When you turn this feature on, your phone automatically displays your air time in minutes (XX) and seconds (YY) during and after each call.

1. Follow the steps in the "Getting to Call Timers..." block to select **Individual Timer**. You will see **Individual Timer Off** or **Individual Timer On**.
2. Press **→|** to toggle between **Individual Timer Off** and **Individual Timer On**.
3. Press **End** to exit, or scroll to other features.

Getting to Call Timers...

1. Press **FCM**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Timers** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Setting the One-Minute Audible Timer

Activate this feature to hear an audible beep 10 seconds before the end of every minute during a call. The party on the other end will not hear the beeps.

1. Follow the steps in the "Getting to Call Timers..." block to select **One Minute Timer**. You will see **One Minute Timer Off** or **One Minute Timer On**.
2. Press \rightarrow to toggle between **One Minute Timer Off** and **One Minute Timer On**.
3. Press **End** to exit, or scroll to other features.

Shortcut:

Press **FCM**, then press the Smart Button, then **4**, **4** and continue with step 2.

Setting the Repeating Audible Timer

You can set this timer to beep during your calls at an interval that you select—from 11-999 seconds. You will hear the beep 10 seconds before the end of each interval, but the party on the other end will not hear the beeps.

1. Follow the steps in the "Getting to Call Timers..." block to select **Repeat Timer**. You will see **Repeat Timer Off** or **Repeat Timer On**.
2. Press \rightarrow to toggle between **Repeat Timer Off** and **Repeat Timer On**.

The prompt to enter seconds appears **only** if you have turned the feature on. If you have turned it off, you will see **Repeat Timer Off**.

Shortcut:

Press **Fon**, then the Smart Button, then **4**, **1**, and continue with step 2.

Shortcut:

Press **Fon**, then the Smart Button, then **4**, **2**, and continue with step 2.

3. Enter the number of seconds you would like between audible beeps. You will see *Beep At YYY Secs.*
4. Press **→** to set the timer. The phone confirms the setting by displaying *Set At YYY Secs.*
5. Press **End** to exit, or scroll to other features.

Setting the Single Timer

Like the Repeating Timer, you can set the Single Timer to beep at a time that you select—from 11-999 seconds. It will beep once during each call, 10 seconds before the end of the interval. The party on the other end will not hear the beep.

1. Follow the steps in the "Getting to Call Timers..." block to select *Single Timer*. You will see *Single Timer Off* or *Single Timer On*.
2. Press **→** to toggle between *Single Timer Off* and *Single Timer On*.

The prompt to enter seconds appears **only** if you have turned the feature on. If you have turned it off, you will see *Single Timer Off*.

3. Enter the number of seconds you would like before the audible beep. You will see *Beep At YYY Secs.*
4. Press **→** to set the timer. The phone confirms the setting by displaying *Set At YYY Secs.*
5. Press **End** to exit, or scroll to other features.

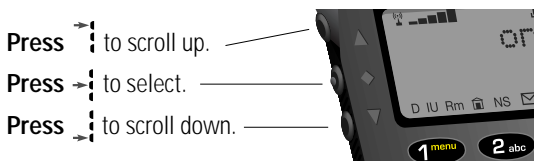
Adjusting Tone Controls

Use these features to select silent vibration mode, personalize your phone's ringer styles, or turn the ringer off.

In this chapter you will learn how to:

- choose from nine different ringer styles
- activate and deactivate the VibraCall™ Alert function.
- silence the keypad
- silence the scratchpad

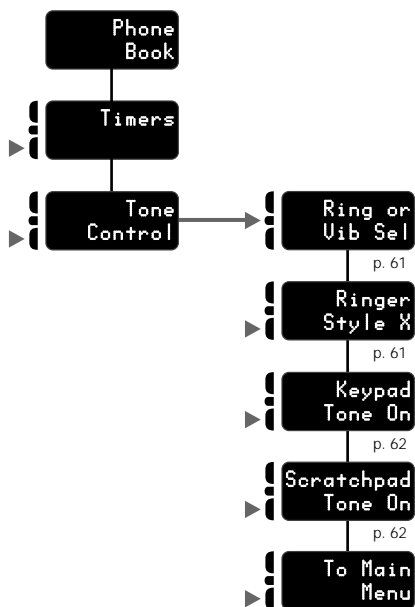
Follow these symbols as a guide for using the keys on the side of your phone:



Road Map

Press **Fon**, then press **→** to enter the menu system.

Start:



Getting to Tone Controls...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Tone Control** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Using the VibraCall™ Alert Feature

Using this feature, you can choose to be alerted to incoming calls using the vibrating ringer, the ringer, both, or neither.

The VibraCall™ Alert feature is ideal for situations where ringing may not be appropriate, or in noisy places where you might not hear the ringer.

1. Follow the steps in the "Getting to Tone Controls..." block above to select **Ring Or Vib Sel**. The display shows your current ringer setting.
2. Press \rightarrow or \leftarrow to scroll through your choices:

Vibrate Only	Ring Only	Ringer On Vib On	Ringer Off Vib Off
--------------	-----------	------------------	--------------------

When both the ringer and vibrator are on, the phone alerts you by vibrating for three ring cycles and then ringing.

3. Press \rightarrow when you reach the setting you want.
4. Press **END** to exit, or scroll to other features.

Selecting a Ringer Style

Your phone lets you select any of nine different ringer styles. After you choose a style, the phone will give you a brief sample of the new ringer style, or vibrates if you have selected the VibraCall™ Alert feature.

1. Follow the steps in the "Getting to Tone Controls..." block to select **Ringer Style**. You will hear a sample of your current ringer style, and you will see **Select 1-9**.

Tip:

"vib" is printed on the **8** key, as a reminder.

Shortcut 1:

Press **FCN**, then press **8** to toggle the VibraCall™ Alert feature on and off.

Shortcut 2:

Press **FCN**, then the Smart Button, then **3**, **0**, then the Smart Button and continue with step 2.

Shortcut 3:

Press **FCN**, then the Smart Button, then **3**, **1**, then the Smart Button and continue with step 2.



2. Press **1** through **9** to hear the different ringer styles, or scroll through the ringer styles.
3. Press **→** when you reach the ringer style you want.
4. Press **End** to exit, or scroll to other features.

Turning Keypad Tones On and Off

Keypad tones are the sounds you hear when you press any key on the phone. If you want to be discreet, use this feature to silence the audio feedback from the keypad.

Keep in Mind: The other party will still hear tones.

1. Follow the steps in the "Getting to Tone Controls..." block to select Keypad Tone. You will see Keypad Tone On or Keypad Tone Off.
2. Press **→** to toggle between Keypad Tone On and Keypad Tone Off.
3. Press **End** to exit, or scroll to other features.

Turning Scratchpad Tones On and Off

Scratchpad tones are the tones that your phone sends to access automated calling systems like Voice Mail. If you don't want your party to hear these sounds when you use the scratchpad, turn the scratchpad tones off.

1. Follow the steps in the "Getting to Tone Controls..." block to select Scratchpad Tone. You will see Scratchpad Tone On or Scratchpad Tone Off.
2. Press **→** to toggle between Scratchpad Tone On and Scratchpad Tone Off.
3. Press **End** to exit, or scroll to other features.

Note: If you turned the scratchpad tones off but want to access a tone-activated system like Voice Mail, place the call, enter the numbers you need to transmit, then:

Press **Rec**, then press **Send** to send the tones.

Shortcut:

Press **Fcn**, then the Smart Button, then **3**, **2**, and continue with step 2.

Shortcut:

Press **Fcn**, then the Smart Button, then **3**, **3**, and continue with step 2.

Using Lock/Security Features

While you probably would not want to leave your phone unattended, the Digital StarTac Cellular Telephone has a number of built-in security features to prevent unauthorized use.

In this chapter you will learn how to:

- activate the Voice Privacy feature
- lock and unlock your phone
- place priority calls
- change your lock code
- restrict call placement and memory access
- reset or clear your phone's settings
- activate your phone's Authentication feature

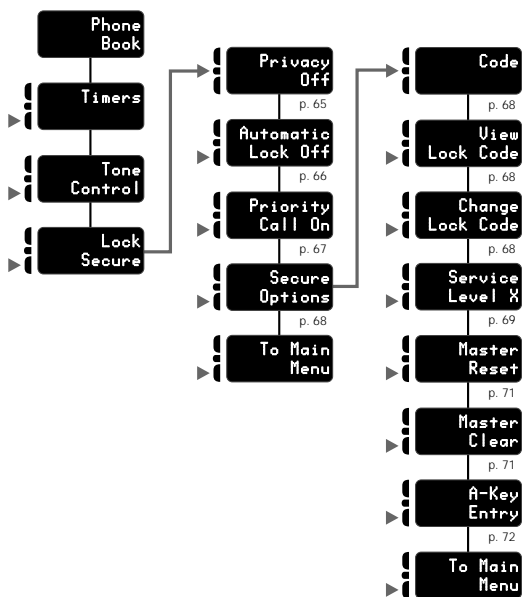
Follow these symbols as a guide for using the keys on the side of your phone:










Road Map

Press **Fon** then press, **→** to enter the menu system.

Start:



Getting to Lock/Security...

1. Press **FCN**, then press  to enter the menu system.
2. Press  or  to scroll to **Lock Secure** and press  to select.
3. Press  or  to scroll to the following features, and press  to select.


Voice Privacy

When you activate your phone's Voice Privacy feature, you request your cellular system to search for a Voice Privacy channel with each call. If no Voice Privacy channel is available (or your call is "handed off" to a cell where a Voice Privacy channel is not available), a series of short beeps alerts you that the call is no longer private.

You must select the Voice Privacy feature before you make a call in order for that call to search for a Voice Privacy channel.

Keep in Mind: This feature is not available in all markets. Contact your Service Provider for additional information about your service area.

To turn the Voice Privacy feature on or off:

1. Follow the steps in the "Getting to Lock/Security..." block to select **Voice Privacy**. You will see **Privacy Off** or **Privacy Preferred**.
2. Press  to toggle between **Privacy Off** and **Privacy Preferred**.
3. Press **END** to exit, or scroll to other features.

Locking/Unlocking Your Phone

Locking Your Phone Automatically

When you turn this feature on, your phone automatically locks itself each time you turn it off.

1. Follow the steps in the "Getting to Lock/Security..." block to select **Automatic Lock**. You will see **Automatic Lock Off** or **Automatic Lock On**.
2. Press **→|** to toggle between **Automatic Lock Off** and **Automatic Lock On**.
3. Press **End** to exit, or scroll to other features.

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.

1. Press **Fcn**.
2. Press and hold **5** for at least one full second. You will see **Lock?**.
3. Press **Sto** or **→|** to lock. You will see **Locked**.

Unlocking Your Phone

To unlock your phone:

Once your phone is on, **enter your three-digit lock code** to unlock your phone. (See "Viewing the Lock Code" on page 68 and "Changing the Lock Code" on page 68 for more information on your lock code.)

Answering Calls While the Phone Is Locked

You can still receive calls when the phone is locked. To answer an incoming call:

1. Enter your three-digit lock code.
2. Press **→|**; or press **Send** to receive the call.

Shortcut:








Press **Fcn**, then the Smart Button, then **1**, **5**, and continue with step 2.

Tip:

"lock" is printed on the **5** key, as a reminder.

Tip: If you forget your lock code, try pressing **1**, **2**, **3** or the last three digits of your cellular phone number.

Getting to Lock/Security...


1. Press **FCN**, then press  to enter the menu system.
2. Press  or  to scroll to **Lock Secure** and press  to select.
3. Press  or  to scroll to the following features, and press  to select.

Activating Priority Dialing

Priority Call allows the Turbo Dial™ function to dial from memory location 01—even when the phone is locked. You can store an emergency number or the number of someone you would like to contact in case of emergency.

Keep in Mind: Some cellular systems have their own emergency numbers and deny access to emergency numbers like 911 (not available in some areas). Check with your Service Provider for more information.

To activate Priority Call:

1. Follow the steps in the "Getting to Lock/Security..." block to select **Priority Call**. You will see **Priority Call Off** or **Priority Call On**.
2. Press  to toggle between **Priority Call Off** and **Priority Call On**.
3. Press **End** to exit, or scroll to other features.

Shortcut:

Press **FCN**, then the Smart Button, then **2**, **9**, and continue with step 2.

Getting to Security Options...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \rightarrow to scroll to **Lock Secure** and press \rightarrow to select.
3. Press \rightarrow or \rightarrow to scroll to the **Secure Options** submenu, and press \rightarrow to select.
4. Enter your **six-digit security code**, scroll to the following features, and press \rightarrow to select.

Shortcut:

Press **FCN**, then the Smart Button, then **5**, **5**, and continue with step 3 above in the "Getting to Security Options" block.

Managing Security Options

For your protection, you must enter the six-digit security code to access the features that your phone contains. The factory-programmed lock code for unlocking the phone is 123. The six-digit security code is 000000. These may have been changed when your phone was activated.

Viewing the Lock Code

To display the active three-digit lock code:

1. Follow the steps in the "Getting to Security Options..." block to select **View Lock Code**.
2. Press \rightarrow to display your three-digit lock code. The code appears for a few seconds.
3. Press **End** to exit, or scroll to other features.

Changing the Lock Code

To change your three-digit lock code:

1. Follow the steps in the "Getting to Security Options..." block to select **Change Lock Code**. You will see **Enter Code ____**.
2. Enter the new three-digit code. You will see **Changed To XXX**.
3. Press **End** to exit, or scroll to other features.

Note: If you try to change your lock code to 911 or the first three digits of an emergency number, you will see **Code Invalid**, and the code you entered **will not** be accepted. You will return to step 1 above.

Getting to Security Options...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \downarrow or \uparrow to scroll to **Lock Secure** and press \rightarrow to select.
3. Press \downarrow or \uparrow to scroll to the **Secure Options** submenu, and press \rightarrow to select.
4. Enter your **six-digit security code**, scroll to the following features, and press \rightarrow to select.

Restricting Call Placement

You may want to restrict call placement or hide memory information when loaning your phone to others.

Selecting a Service Level

1. Follow the steps in the "Getting to Security Options..." block to select **Service Level**. The phone displays your current service level. Refer to the chart on the next page.
2. Press \downarrow or \uparrow to scroll through the service level settings, and press \rightarrow to select the service level you want.

If you select Level 7, the phone prompts you for the range of memory locations you want to remain active. You will see **Range 1-__**.

Enter the range of digits memory locations from which calls will be allowed. The phone confirms the allowed range, and you will see **1-XX Allowed**.

3. Press **End** to exit, or scroll to other features.



Managing Security Options (continued)

Service Level Settings

Each of your phone's eight service levels offers a different combination of access privileges and restriction.

Level 1: Calls can be placed from memory locations 1-10 only, no dialing from keypad, no memory edit or storage, no access to name directory, no turbo or priority dial.	1 Memory 1-10
Level 2: Calls can be placed from all memory locations, no dialing from keypad, no memory edit or storage, no turbo or priority dial.	2 Memory Only
Level 3: Calls can be placed manually from the keypad only, no access to memory information, no memory edit or storage, no turbo or priority dial.	3 Keypad Only
Level 4: Standard setting, no restrictions.	4 Standard Setting
Level 5: Seven-digit (local) dialing only.	5 Local Only
Level 6: Calls can be placed from the keypad and from memory, no edit or memory storage to memory locations 1-10, memory cannot be changed.	6 No Store 1-10
Level 7: Calls can be placed from a selected memory range only, memory edit and storage allowed with the selected range, no access to name directory, no turbo or priority dial.	7 Allow Range
Level 8: No edit, storage, or recall from memory locations 1-9.	8 Hide Turbo

Getting to Security Options...

1. Press **FCN**, then press **→|** to enter the menu system.
2. Press **→|** to scroll to **Lock Secure** and press **→|** to select.
3. Press **→|** to scroll to the **Secure Options** submenu, and press **→|** to select.
4. Enter your **six-digit security code**, scroll to the following features, and press **→|** to select.

Resetting All Options

Use the Master Reset feature to reset all user-selectable options back to their original factory settings.

Keep in Mind: Once you select this feature, the reset process cannot be canceled or reversed.

1. Follow the steps in the "Getting to Security Options..." block to select **Master Reset**.
2. Press **→|** if you want to reset all your phone's options back to their factory settings. You will see **Standard Setting**.

or

Press **End** to exit the menu if you do not want to reset your phone's options.

3. Press **End** to exit, or scroll to other features.

Clearing All Stored Information

If you want to start over, use Master Clear to reset all user-selectable options, clear the resettable timer, and erase all Phone Book information.

Keep in Mind: Once you select this feature, the process cannot be canceled or reversed.

1. Follow the steps in the "Getting to Security Options..." block to select **Master Clear**.

Shortcut:

Press **FCN**, then the Smart Button, then **5**, **2**, and continue with step 3 above in the "Getting to Security Options" block.

Managing Security Options (continued)

2. Press **→** to clear the memory and reset all your phone's options back to their factory settings. You will see **Busy**. (This takes a few seconds.)

or

Press **End** to exit the menu if you do not want to reset your phone's options.

3. Press **End** to exit, or scroll to other features.

Authenticating Users

Your StarTAC Digital Cellular Telephone is equipped with an authentication feature called the A-Key, which acts like a PIN number and helps prevent unauthorized use of your phone. Contact your Service Provider for your personalized A-Key number.

Note: This feature should only be programmed once.

1. Follow the steps in the "Getting to Security Options..." block to select **A-Key Entry**. The display will show the phone's active phone number.

If the number displayed is not the number you want for the A-Key, press ***#** or **#>** to switch to the second programmed number. Your phone will use this number once you exit this feature.

2. Enter the 6- to 26-digit A-Key number as supplied by your Service Provider. Press **Clr** to correct errors.
3. Press **Sto** to validate the A-Key entry.
 - If you input the A-Key correctly, you will see **VALID**.
 - If you input the A-key input incorrectly, you will see **INVALID**. Re-enter your A-Key.
4. Press **End** to exit, or scroll to other features.

Phone Options

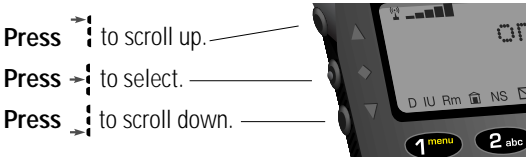
The Phone Options menu lets you adjust the way your phone sends and receives calls.

You can tune your phone for optimal performance, view information about the phone, and choose from a number of convenient features.

In this chapter you will learn how to:

- switch cellular phone numbers
- select the system mode
- review your phone's feature settings
- select features for vehicular use
- conserve battery power
- view numbers with Caller ID

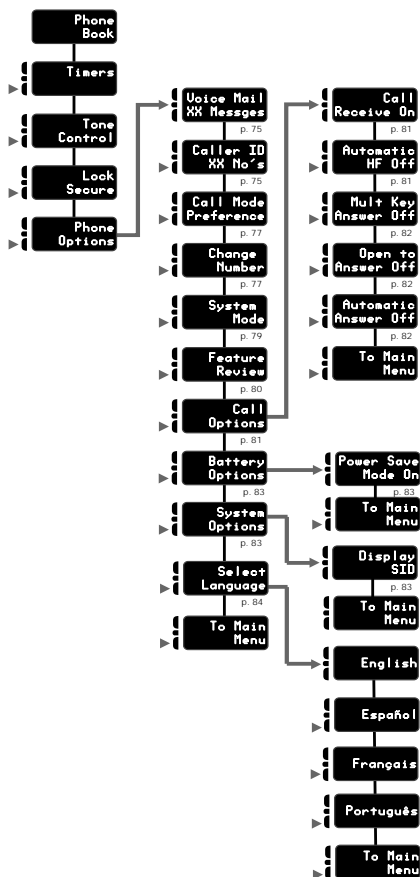
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




Road Map

Press **Fon**, then press **→** to enter the menu system.

Start:




Getting to Phone Options...

1. Press **FCM**, then press  to enter the menu system.
2. Press  or  to scroll to **Phone Options** and press  to select.
3. Press  or  to scroll to the following features.

Using Voice Mail

This feature updates you each time a message is sent to your voice mail number, providing you with real-time information on messages waiting to be retrieved. To hear any voice mail messages received, dial your voice mail access number or retrieve the access number from memory.

When a voice mail message is received, the  icon illuminates.

1. Follow the steps in the "Getting to Phone Options..." block to scroll to **Voice Mail**. The display will show **Voice Mail XX Messages**.
2. Press **End** to exit, or scroll to other features.

Using Caller ID

Caller ID allows you to view the number of the calling party in the phone's display while the phone is ringing. Your Digital StarTAC™ cellular phone also stores the telephone numbers of the last 20 incoming calls.

If the caller's phone number matches a phone number stored in the phone's memory, the phone automatically displays the name associated with that phone number. The display of the name-tag or phone number is controlled through your setting of the **Name Preference** feature. (See "Phone Book Display Preferences" on page 52.)

If you subscribe to call waiting and receive a call while another call is in progress, you hear a call waiting tone and the caller's number appears on the display. The number will automatically be stored and can be viewed after ending the call, using the procedure described on the next page.

If the caller has restricted transmission of the phone number, your phone will display **Private**. If the Calling Number ID information is not available to the cellular network, your phone will display **No ID**. This information will not be in the Caller ID list as one of the last 20 incoming calls.

You can store any number contained in your Caller ID memory to a memory location in the same way you would save any phone number. Once the correct number is displayed, press **Sto** and a memory location or **↵*** to autoload. See "Storing with the Menu" on page 44 for more information on storing phone numbers.

Note: Caller ID is not available in all markets. Contact your Service Provider for availability information.

To Use Caller ID

1. Follow the steps in the "Getting to Phone Options..." block above to scroll to **Caller ID**. You will see **Caller ID XX No's.** (XX) represents the total numbers stored.
2. Press **→|** to enter your Caller ID number list.
3. Press **→|** or **←|** to scroll through the list. The display shows the call number in the upper left corner, with the phone number of the last phone call displayed as **000**, the next to last as **001**, and so on, through **019**.

If no numbers are in the caller ID list, you see **Empty**.
4. Press **Send** to dial the displayed number.

Note: To view Caller ID information prior to answering a call, you must turn off the Open to Answer feature. (See "Open to Answer" on page 82.)

Clearing Caller ID

To erase all entries saved in your Caller ID memory:

1. Press and hold **Clr** when a Caller ID name and number is displayed. You will see **Clear?**.
2. Press **Sto** to clear.

or

Press **End** to cancel and leave your caller ID memory intact.

Shortcut:

Press **Rcl**, then press and hold **Rcl**, and continue with step 3 if you have messages.

Getting to Phone Options...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Phone Options** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Call Mode Preference

Either a digital or analog channel can be assigned to your phone, based upon system channel availability.

Examples of peripheral devices that require analog operation include fax machines, personal computers with modems, and telemetry monitors (EKG). This feature must be selected before a call originates in order for the call to be analog.

Keep in Mind: When powered on, your Digital StarTAC™ cellular phone will first search for a digital channel. If no digital channel is available, your phone will switch to an analog channel.

1. Follow the steps in the "Getting to Phone Options..." block above to select *Call Mode Preference*.
2. Press \rightarrow or \leftarrow to toggle between Dual, Analog, or Digital modes.
3. Press \rightarrow to select a Dual, Analog, or Digital channel. You will see *Dual Mode, Analog Mode, or Digital Mode*.
4. Press **End** to exit, or scroll to other features.

Warning: If you select either Analog Voice Only or Digital Voice Only you will not be able to make a call if the selected system is not available.

Switching Between Numbers

Your phone can operate on two different home systems. If you travel often, you can have your phone programmed with two cellular numbers to reduce roaming. This feature allows you to change your active number to the one appropriate for the area you're in.

Tip: If this feature is selected during a call, the feature will be effective with the next call. Press **FCN** **2** to switch from digital to analog mode during a call.




When your phone has two numbers, both are designated as your home system but only one number can be active at any given time. Calls are placed and received by the currently active number only. Each time you turn your phone ON, you'll see a message in the display that indicates which phone number and home system are currently active:

Non-wireline type with phone number 1	A1
Non-wireline type with phone number 2	A2
Wireline with phone number 1	B1
Wireline with phone number 2	B2








In most areas, there are two competing cellular carriers, the *wireline* carrier and the *non-wireline* carrier. Your display indicates which type of carrier your home system is as follows:

- *non-wireline carrier*—The display indicates that your home system is system A.
- *wireline carrier*—The display indicates that your home system is system B.

To switch your phone number:


1. Follow the steps in the "Getting to Phone Options..." block above to select **Change Number**. The active phone number will appear in the display (for example, 5155551515).
2. Press  to switch to your other phone number (for example, 7085551212).
3. Press  to confirm the new setting.
4. Press  to exit, or scroll to other features.

Getting to Phone Options...

1. Press **FCN**, then press  to enter the menu system.
2. Press  or  to scroll to **Phone Options** and press  to select.
3. Press  or  to scroll to the following features, and press  to select.


Selecting a Cellular System

Your Service Provider configures the System Mode feature when you receive a cellular phone number. Use this feature to select the type of cellular system your phone will access.

1. Follow steps 1-2-3 above to select **System Mode**.
2. Press  to scroll through the mode settings:




Standard Mode Your phone first seeks a home type system, then a non-home type system <i>If home is non-wireline (type A)</i> <i>If home is wireline (type B)</i>	S+D AB S+D BA
Reversed Preference Mode Your phone first seeks a non-home type system, then a home type system. (May be useful in fringe areas or certain roaming situations.) <i>If home is non-wireline (type A)</i> <i>If home is wireline (type B)</i>	Scan BA Scan AB
Home Only Mode The phone will not operate outside its home system.	Home
Scan A Mode The phone will operate only within nonwireline (type A) systems.	Scan A
Scan B Mode The phone will operate only within wireline (type B) systems.	Scan B

Shortcut 1:

Press **Rcl**, then , and continue with step 2.

Shortcut 2:

Press **FCN**, then the Smart Button, then **2**, **3**, and continue with step 3.


3. Press   to select the system mode setting you want.
4. Press  to exit, or scroll to other features.

Reviewing Feature Settings

Use this feature to review the changes you've made to feature settings.


Keep in Mind: While scrolling through Feature Review, you can only review settings. You cannot change them.

1. Follow steps 1-2-3 above to select *Feature Review*. The display message indicates whether the phone is accessing a Digital, Analog, or Control Channel:

 - xxxxx


- D=Digital Traffic Channel
- Digital Slot Number
- Digital Channel Number

or


 xxxxx

- A=Analog Voice Channel
- Analog Channel Number

or


 xxxxx

- C=Control Channel
- Control Channel Number

Note: The  icon illuminates when on a digital control channel.

2. Press   or press   or   to scroll through features you changed from their default settings.

If all of the features are set to the factory standard settings, the display will show *Standard Setting*.

3. Press  to exit the menu.

Getting to Call Options...

1. Press **FCN**, then press \rightarrow to enter the menu system.
2. Press \rightarrow to scroll to **Phone Options** and press \rightarrow to select.
3. Press \rightarrow to scroll to the **Call Options** submenu, and press \rightarrow to select.
4. Press \rightarrow to scroll to the following features:

Blocking Incoming Calls

When you are unable to take calls, turn the Call Receive feature off to disable call reception. Your phone will inform you of incoming calls without receiving them. While this feature is on, your display will indicate number of calls.

1. Follow steps in the "Getting to Call Options..." block to scroll to **Call Receive**. You will see **Call Receive On** or **Call Receive Off**.
2. Press \rightarrow to toggle between **Call Receive On** and **Call Receive Off**.
3. Press **End** to exit, or scroll to other features.

Note: If this feature is active, the phone will beep several times when turned on.

While in this mode, your phone does not receive or store Caller ID messages.

Automatic Hands-Free

Turn this feature on when you are using Hands-Free vehicular accessories. To find out more about accessories for your car, refer to "Accessory Options" on page 88.

1. Follow the steps in the "Getting to Call Options..." block to scroll to **Automatic HF**. You will see **Automatic HF On** or **Automatic HF Off**.
2. Press \rightarrow to toggle between **Automatic HF On** and **Automatic HF Off**.
3. Press **End** to exit, or scroll to other features.

Shortcut:

Press **FCN**, then the Smart Button, then **2**, **1**, and continue with step 2.

Shortcut:

Press **FCN**, then the Smart Button, then **2**, **8**, and continue with step 2.



Multiple Key Answer

With Multiple Key Answer on, you can answer calls by pressing **Send**, the Smart Button, any key on the upper keypad **1-#**, or the upper and lower volume keys.

Shortcut:

Press **Fon**, then the Smart Button, then **2**, **0**, and continue with step 2.

1. Follow the steps in the "Getting to Call Options..." block above to scroll to **Multi Key Answer**. You will see **Multi Key Answer On** or **Multi Key Answer Off**.
2. Press **→|** to toggle between **Multi Key Answer On** and **Multi Key Answer Off**.
3. Press **End** to exit, or scroll to other features.

Open to Answer

Note: To view Caller ID information prior to answering a call, you must turn off the Open to Answer feature.

Note:

With Open to Answer set to off, you can open the phone to see the message in the display and then answer by pressing **Send** or **→|**.

1. Follow the steps in the "Getting to Call Options..." block above to scroll to **Open to Answer**. You will see **Open to Answer On** or **Open to Answer Off**.
2. Press **→|** to toggle between **Open to Answer On** and **Open to Answer Off**.
3. Press **End** to exit, or scroll to other features.

To answer a call with **Open to Answer** set to off, press either **Send** or **→|**.

Shortcut:

Press **Fon**, then the Smart Button, then **2**, **6**, and continue with step 2.

Tip: If the ringer and VibriCall™ Alert are off, the phone answers without ringing or vibrating.

Automatic Answer

Turn Auto Answer on to have your phone automatically answer incoming calls after two rings.

Note: Auto Answer does not work if keypad cover is closed.

1. Follow the steps in the "Getting to Call Options..." block above to scroll to **Automatic Answer**. You will see **Automatic Answer On** or **Automatic Answer Off**.
2. Press **→|** to toggle between **Automatic Answer On** and **Automatic Answer Off**.
3. Press **End** to exit, or scroll to other features.

Getting to Phone Options...

1. Press **FCM**, then press \rightarrow to enter the menu system.
2. Press \rightarrow or \leftarrow to scroll to **Phone Options** and press \rightarrow to select.
3. Press \rightarrow or \leftarrow to scroll to the following features, and press \rightarrow to select.

Battery Options—Power Save Mode

This feature enables you to turn off the power/status indicator. Turn this mode on to experience improved standby times.

1. Follow the steps in the "Getting to Phone Options..." block above to select the **Battery Options** sub-menu. You will see **Power Save Mode On** or **Power Save Mode Off**.
2. Press \rightarrow to toggle between **Power Save Mode On** and **Power Save Mode Off**.
3. Press **End** to exit, or scroll to other features.

Display System Identification

This feature shows the System ID number that identifies the cellular system your phone is currently accessing. An even number indicates a wireline system, while an odd number indicates a non-wireline system.




1. Follow the steps in the "Getting to Phone Options..." block above to enter the **System Options** sub-menu. You will see **Display SID**.
2. Press \rightarrow to view the System ID number. After six seconds, the phone will go back to step 1.
3. Press **End** to exit, or scroll to other features.

Shortcut:

Press **FCM**, then the Smart Button, then **2**, **7**, and continue with step 2.

Select Language

This feature enables you to select the language in which your phone displays prompts and messages.

1. Follow the steps in the "Getting to Phone Options..." block above to select the **Select Language** sub-menu.
2. Press  to scroll through the language options.
3. Press  to select the language setting you want.
4. Press  to exit, or scroll to other features.

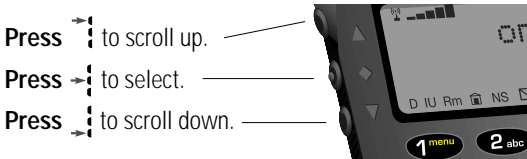
Message Menu

The Message Menu gives you easy access to your message settings. Some Service Providers let you subscribe to a Digital Message Service that allows you to use your cellular phone like a pager. Ask your Service Provider for information about the availability of messaging in your area.

In this chapter you will learn how to:

- adjust speed of your scrolling messages
- toggle the dedicated Message key for messaging or One Touch Dialing

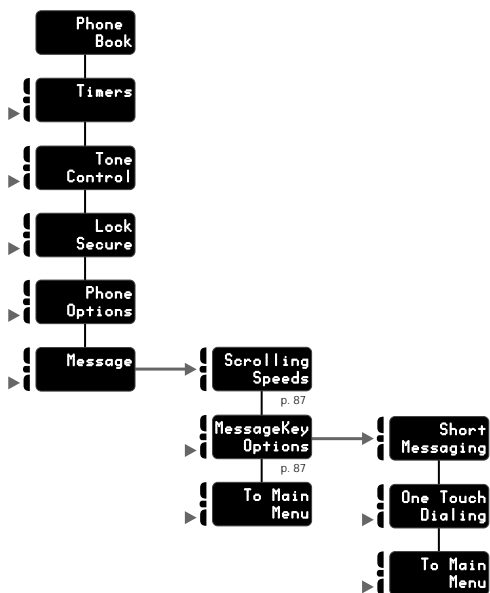
Follow these symbols as a guide for using the keys on the side of your phone:










Road Map

Press, **Fcn** then press **→** to enter the menu system.

Start:






Getting to the Message Menu...

1. Press **FCN**, then press  to enter the menu system.
2. Press  or  to scroll to **Message** and press  to select.
3. Press  or  to scroll to the following features, and press  to select.


Set Scrolling Speeds

To adjust the scrolling speed of your incoming messages:

1. Follow the steps in the "Getting to the Message Menu..." block above to select the *Scrolling Speeds* option.
2. Press  or  to scroll through scrolling speed settings:
 - To scroll slowly, select *Slow Scrolling*.
 - For medium scrolling, select *Medium Scrolling*.
 - To scroll quickly, select *Fast Scrolling*.
 - Press  to select.
3. Press **End** to exit, or scroll to other features.

Message Key Options

If you don't have access to a messaging service, your dedicated Message key can be used as a One-Touch Dialing key.

1. Follow the steps in the "Getting to the Message Menu..." block above to select the *Message Key Options*. You will see *Short Messaging* or *One-Touch Dialing*.
2. Press  to toggle between *Short Messaging* and *One-Touch Dialing*.
3. Press **End** to exit, or scroll to other features.

Note:

To store a number (like a voicemail number) in the envelope key:

1. Enter the number.
2. Press **Sto**.
3. Press .



Reference Information

Accessory Options

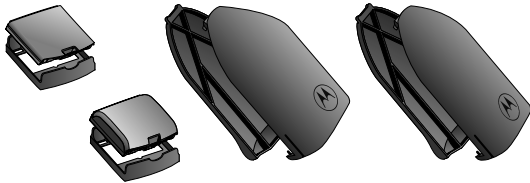
An exciting line of StarTAC phone accessories, now smaller and lighter than ever, can enhance and personalize your cellular experience.

Batteries

Lithium Ion batteries are different from other batteries in that you can leave them in the charger as long as you like. Nickel Metal Hydride batteries should not be left in the charger for more than 24 hours.

If your cellular phone is quickly becoming your companion, an optional auxiliary battery will give your phone a boost. Auxiliary batteries attach to the back of your phone and provide extra talk-time in addition to your main battery.

See page 19-22 for battery talk-times and standby-times.



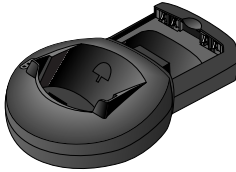
Cigarette Lighter Adapter

With the cigarette lighter adapter, you can power your phone and charge your phone's battery directly from your vehicle's cigarette lighter! In some cars, the engine must be running in order for the cigarette lighter to operate.



Desktop Charger (AC Adapter required)

The desktop charger is designed for optimal performance and compatibility with Motorola's new generation of cellular telephones. The desktop charger's front pocket can charge batteries while they are attached to your phone, and the rear pocket can charge batteries separately. Now it's easy to rotate batteries and always have a charged spare.



Holster

The StarTAC phone is so small and light, it's positively wearable. Slip it in and clip it on—for the ultimate in high-tech fashion.




Headset

The convenient 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.

When you use the headset, your phone's intelligent circuitry automatically enables the Multiple Key Answer feature (page 82), so you can answer calls with any key on the side of your phone. You can even use the Smart Button to end calls. You'll never need to open your phone to take a call.



With the headset in place, closing the phone will not end a call. This allows you to store the phone conveniently during the call. To end a call while using the headset, press the Smart Button twice or press .

PCMCIA Modems

These compact modems are made for mobility and plug directly into the bottom of your StarTAC phone, so you can send and receive FAXes, e-mail and data. The PCMCIA modem works with data devices using a standard PCMCIA Type II slot.

Hands-Free Vehicle Kit

The optional Hands-Free Kits give you the convenience of hands-free, speaker phone operation while in your car. Full duplex operation lets you simultaneously talk and listen, so both parties can interrupt each other for a normal sounding conversation.

The Hands-Free Kit powers the phone and charges its battery whenever your car's engine is running. An optional external antenna can improve your signal reception and boost performance.

Troubleshooting

- Q. I pressed the power button, but nothing happened. What's wrong with my phone?
- A. Check that you have installed a battery and that the battery is charged. See pages 11-18 for more information about batteries and charging. Be sure to press and hold **Pwr**.
- Q. My battery didn't last as long as I expected. What can I do to extend battery life?
- A. 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 will have, and vice versa.

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.

Also remember that battery performance varies greatly between digital mode and analog mode. See the table on page 11.

Certain features demand power from your battery and reduce battery life. If you have selected the Automatic Display of Individual Call Timer feature, the display uses battery power to remain active during each call. Turn this feature off to conserve battery energy. (See page 56 for more information on this feature.)

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.

- Q. The display says, "Locked." How do I unlock my phone?
- A. Enter the last three digits of your cellular 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 cellular bill) for assistance. (See "Using Lock/Security Features" on page 63 for more information on Security Features.)
- Q. I tried to place a call and received a fast busy signal.
- A. This sound means that the cellular system did not process your call. For example, the cellular system may be overloaded with call attempts. To redial the number, press **Send** before ending your call attempt, or press **End** and try the call again later. (See "Redialing a Number" on page 25 for more information on redialing.)
- Q. I tried to place a call and received an alternating high/low tone.
- A. This sound means your call did not reach the cellular system. You may have dialed the number too soon after turning the phone on. Wait until the NS indicator goes out before placing a call.

An alternating tone may also indicate that your phone's signal is blocked. Make sure the antenna is fully extended and you're clear of any obstructions such as bridges, parking garages, or tall buildings.

- Q. I am in my home service area, but the Roam indicator is on.
- A. If your phone is programmed with more than one telephone number, you might not have switched to the number appropriate for your current location. Press **Rcl**, **#**, **Sto** to switch to the other number. See "Switching Between Numbers" on page 77 for more information on multiple phone numbers.
- Q. I tried to listen to my Voice Mail (or use a paging service, a calling card, etc.) but nothing happened.
- A. You have probably turned off the Scratchpad tones. Place your call, enter the access numbers when prompted by the recording, then press **Rcl**, **Send**. To avoid this problem in the future, follow the directions on page 62 to turn the Scratchpad tones on.
- Q. What if my phone beeps several times after power up?
- A. The phone is programmed for Call ReceiveOff. See "Blocking Incoming Calls" on page 81 for information.
- Q. I tried to place a calling card call using the internal Phone Book, but it didn't work.
- A. You may have turned off your Scratchpad tones. Follow the directions in "Turning Scratchpad Tones On and Off" on page 62 to turn the Scratchpad tones on. 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 page 47, enter your calling card information again, and store it in the same memory location as your previous attempt.

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.

- Q. My phone was stolen. What should I report and to whom?
- A. Report a stolen phone to the police and to your service provider (the company that sends you your monthly cellular service bills).

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Patent Information

Manufactured under one or more of the following U.S. patents:

4121218	4617520	D295627	4922178	D325028	5235492	5406562	5519303
4138681	D286778	4746242	4945570	D325583	5237257	D357224	5519346
4193036	4626309	D295973	4954796	5109536	5239127	D357457	5524276
4254382	4628529	D295975	4959851	D325915	5241545	5410741	5524278
4302845	4629829	4751737	4963812	5113436	5241548	D357680	D370463
4312074	4630304	D296187	4963843	5117450	5241650	D357681	5530922
4327319	4630305	4761621	4965537	5121047	5241693	5428836	5542116
4329666	4633141	4764737	4972355	5122480	5242767	D359734	5544250
4369516	4636593	D297734	4972432	5122722	D339582	D359735	D372481
4369522	4636741	D297735	4972455	D327061	5249302	D359959	5546275
4378603	D288432	4777564	4975808	5128834	5251331	5432017	5546380
4390963	4648125	Re. 32768	4984290	D328302	D340710	D360632	D372896
D269873	4649543	D299136	D314173	5142551	5260988	5438684	5551078
4398265	D288683	4797929	D315330	5142696	5261119	D361070	5559471
4400584	4654655	4798975	D315346	5146620	5262710	5442680	D374424
4400585	D289156	4800348	D315543	5148471	5263052	5446763	D374872
D270835	4662691	4802236	D315559	5148473	5276707	5448763	5572193
D271491	4667333	4809356	D315565	5148961	5278994	5448771	5574976
Re. 31470	4668917	4811377	5004992	5150359	D343173	5453997	5577268
4431977	4670747	4811404	D315907	5150384	5280637	D362840	D375732
4434461	4672502	4827226	5008925	5152006	D344087	5457744	D375733
4455534	4680787	4827507	D316417	5157693	5287553	5459640	D375734
4462098	4681476	4829274	D316859	5163159	5287555	5463646	D375932
D275951	4683585	4837534	5017856	5164652	5287556	5465412	D375952
4484153	4692726	D301476	5018188	5166596	D344511	5469177	D376127
4485486	4704588	4843621	5020091	5175759	5310365	5475752	5588041
4486624	D292578	4845772	5020092	5175874	5321847	D365094	5589796
D276809	4706036	D302015	5020093	D332261	D348880	D365817	5590177
4491972	D292920	4851966	5028083	5182749	5349588	5486843	5594778
D277667	47110724	4868576	5028859	D332785	5359696	5487184	5594951
4504834	4711361	4870686	5029044	5185566	5361400	5488335	D377792
D278708	4715063	D303656	5029233	5187809	5363071	5488649	D377934
4523155	4716319	4876552	5031028	5193223	5365549	D366872	5604050
4546329	4716391	4879533	5036532	5195106	D352497	5493198	5606730
4550426	4723305	D305427	5053924	5195108	5366826	5493714	D378366
4551696	D294257	4896124	5057762	5200655	D353131	5497126	5613229
4564821	4727306	4897873	D320780	5201069	D353361	5497382	5613863
D282169	4727583	D305717	5059885	5204977	5375143	D367640	5615233
4571595	4730195	4904549	5060294	5210793	5375258	5499394	5621763
4573017	4734635	4905288	D322783	5214675	5379324	5506490	
4574243	4736277	4905301	D322955	5222104	D354055	D368696	
4585957	4737976	D306293	5081674	5222251	D354062	5510693	
4602218	4740794	D306441	5083304	D337332	5384825	5511235	
D284759	4741018	D306594	D324024	5230007	D356084	D369162	
D285439	4741034	4912602	D324388	5230093	5402447	5513078	
4616314	4742562	4918732	5095503	5233633	5406146	D369359	

Other patents pending.

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