ATTACHMENT M – USER'S MANUAL

8. USERS MANUAL

FCC RF EXPOSURE INFORMATION

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters.Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations using the optional belt-clip/holster placed 1.5cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's body and the phone, including the antenna, whether extended or retracted. The use of third-party belt-clips/ holsters with no metallic components that provide the minimum separation distance of 1.5cm can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories or other body-worn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

Vehicle Mounted External Antenna (optional, if available.)

A minimum separation distance of 7.9 inches (20cm) must be maintained Between a person and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.

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Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Safety Information" on page xx.

Road safety comes first
Do not use a hand-held phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a hand-held phone while driving.

Switch off when refuelling
Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off in aircraft
Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital
Follow any regulations or rules. Switch phone off near medical equipment.

Respect special regulations
Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference
All wireless phones may be subject to radio interference, which may affect their performance.

Use qualified service
Only qualified service personnel must repair equipment.

Use sensibly
Use only in the normal position (to ear). Do not touch the antenna unnecessarily when the phone is switched on.

Emergency calls
Ensure the phone is switched on and in service. Enter the emergency number (911 or another official emergency number) and press [SEND] . Give your location. Do not end the call until told to do so.

Non-Ionizing Radiation
No part of the human body is allowed to come too close to the antenna during operation of the equipment.

IMPORTANT! Use only SAMSUNG-approved accessories and batteries. This phone is intended for use with a SAMSUNG-approved:

The use of any other power accessory will invalidate any approval or warranty applying to the phone, and may be dangerous.

When you disconnect the power cord of any accessory, grasp and pull the connector, not the cord.

Unpacking

Your package contains the following items.

Phone   Travel Adapter

Standard Battery   Owner's Manual   Hand Strap
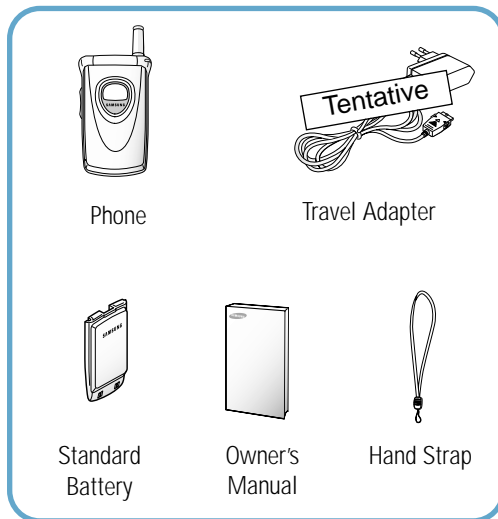
In addition, you can obtain the following accessories for your phone from your local SAMSUNG dealer:
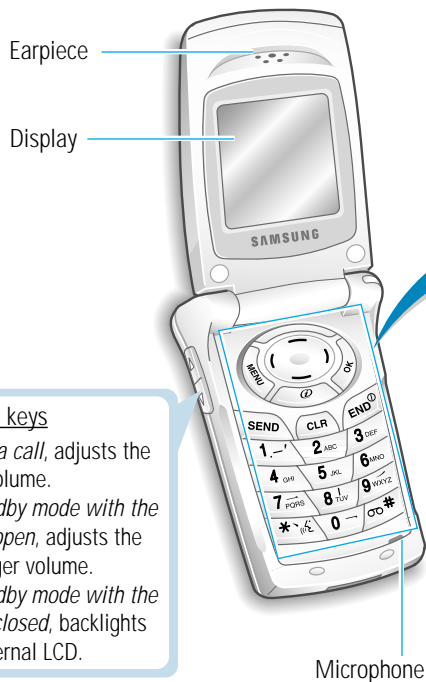
• Ear microphone
• Travel adapter
• Standard , Extended Li-Ion batteries
• Data cable

Your Phone

Phone Layout

The following illustration shows the main elements of your phone.

With the phone open

Earpiece

Display

Volume keys
During a call, adjusts the voice volume.
In Standby mode with the phone open, adjusts the call ringer volume.
In Standby mode with the phone closed, backlights the external LCD.

Microphone

With the phone closed

Antenna

Earphone jack

Service Light

External LCD
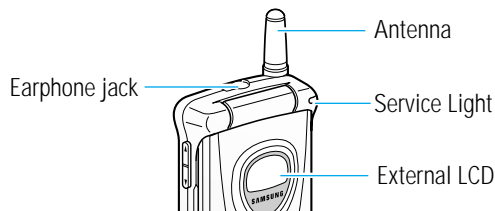
| Key	Functions
✐ MENU	Enters the menu facility.
✐ OK	*In the menu facility*, selects a menu function or stores information that you have entered. *In Standby mode*, quickly enters the **Messages** menu.
◄•►	*In the menu facility*, scrolls through the menu options. *In Standby mode*, ➤ allows you to find the Phonebook entry by its location and ➤ by its name. And ◄ and ► allow you to change the item to display on the Standby mode.
✐ ⌀	*In Standby mode*, quickly enters the **Web** menu. Pressing and holding down this key starts the web browser.

Key   **Functions** *(continued...)*

|	
SEND	Makes or answers a call. *In Standby mode*, recalls the last number dialed.
END	Ends a call. Also switches the phone on and off when pressed and held. *In the menu facility*, returns to Standby mode and cancels your input.
CLR	Deletes characters from the display. *In the menu facility*, returns to the previous menu level.
0 — 9 WXYZ	Enters numbers, letters and some special characters.
*	Use these keys for the various functions. *In the text input mode*, ✳ changes the case and # inserts a space.

Display

The display comprises two areas: an upper line of static icons, and the lower text and graphic area. The following icons display at power-on:

Icons

Text and graphic area
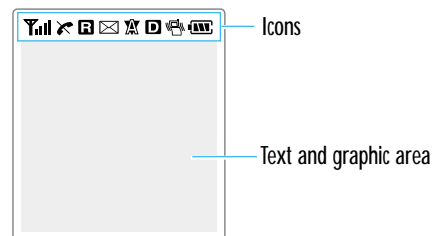
Icons

Yₐₗₗ	**Signal strength** : Shows the received signal strength. The greater the number of bars, the better the signal strength.
📞	**Service**: Appears when a call is in progress.
📵	**No Service**: Appears when you are outside a service area. With it displayed, you cannot make or receive calls. Wait a little while for a better signal or move into an open area to regain the service.
R	**Roaming:** Appears when you are out of your home area and have registered with a different network (when travelling in other countries, for example).

Icons *(continued...)*

☒ **New Message**: Indicates that there is a new message waiting to be checked.

🔺 **Analog mode**: Indicates that the phone is operating in Analog mode.

🄳 **Digital mode**: Indicates that the phone is operating in Digital mode.

📳 **Vibration mode**: Appears when the ring volume for calls is set to **Vibrate**.

🔋 **Battery status**: Shows the level of your battery. The more bars you see, the more power you have left.

External LCD

Your phone has an external LCD display on the cover. When the phone is closed, it indicates that you have an incoming call or message and notifies you at the specified time when you have set an alarm by its backlight or particular icons on it.

When you press one of the volume keys on the left side of the phone with the phone closed, the backlight of the external display illuminates.

Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Display** menu.

To specify the length of time the phone waits before the backlight turns off, set the **Backlight** menu option (**6-1**); see page xx for further details.

Service light

The service light is in the top right-hand of the phone. It flashes to indicate incoming call or message. Also, the service light flashes for a few seconds when you turn on the phone.

Service light
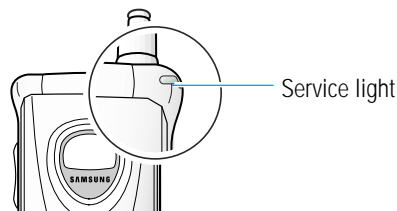
# Getting Started

Installing the UIM Card

When you subscribe to a network, your are provided with a plug-in UIM card loaded with your subscription details (CHV code, available optional service and so on).

Important! The plug-in UIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card.
Keep all UIM cards out of the reach of small children.

1. If necessary, switch off the phone by holding down [END] until the power-off animation begins playing.
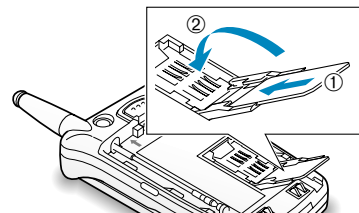
2. Remove the battery. To do so:

① Press and hold the catch above the battery on the back of the phone.
② Slide the battery toward the bottom of the phone and take it away.
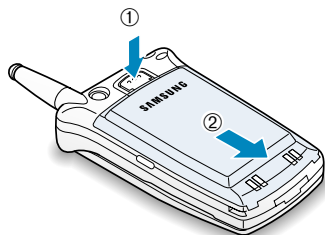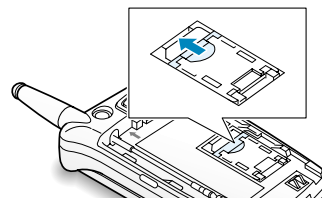

3. Slide the ivory lock in the UIM card holder towards the bottom of the phone to unlock the UIM card holder and lift it up.
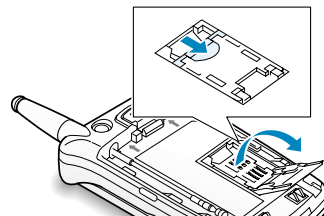
4. Insert the UIM card ensuring that the cut corner is at the top left and the gold contacts of the card face into the phone. Replace the card holder.
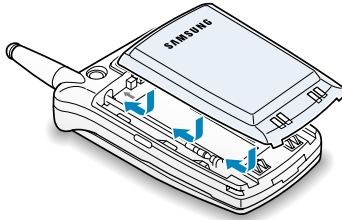

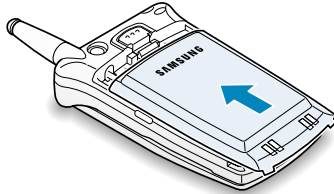5. Slide the ivory lock toward the top of the phone to lock the card holder.

6. Reinstall the battery. To do so:

① Place the battery so that the tabs on it align to the notches on the back of the phone.

② Slide the battery toward the top of the phone until you hear a click.

Charging a Battery   Tentative

Your phone is powered by a rechargeable Li-ion battery.

A travel adapter is provided with your phone. You can also purchase it from your local SAMSUNG dealer. Use only approved batteries and chargers.
Ask you local SAMSUNG dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. The phone can be used while the battery is charging.

Using a Travel Adapter

1. With the battery in position on the phone, connect the lead from the travel adapter to the jack at the bottom of the phone.
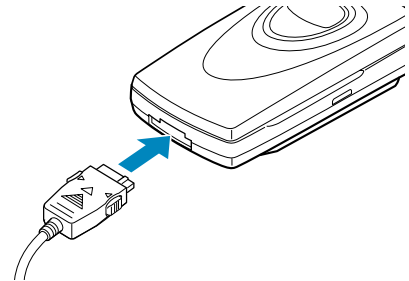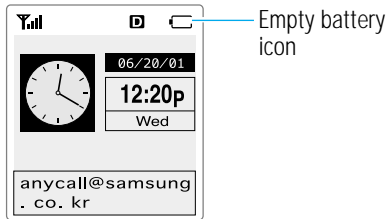
2. Connect the adapter to a standard AC wall outlet.

3. When charging is finished, disconnect the adapter from the power outlet and from the phone.
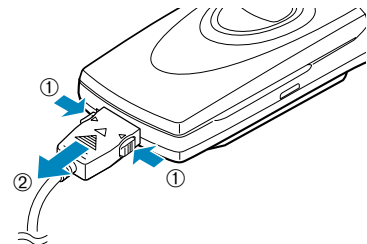
Low Battery Indicator

When the battery charge level gets low, the battery sensor blinks an empty battery icon ▭ at the top right corner of the display and sounds a tone.

Empty battery icon

If the battery level gets too low, the phone will turn off automatically. Unfortunately, if this happen, you'll lose whatever you are doing, including dropping your call. Watch the battery strength icon and make sure your battery is adequately charged.

Switching the Phone On/Off

1. Open the phone.

2. Hold down ✎ for more than one second to switch the phone on.

3. If the phone asks for a CHV code, enter the CHV code supplied with the UIM card. For further information on the CHV code, see page xx. The service light in the top right corner of the phone flashes, and an alert sounds. When the system locates services, you can see the following idle screens on the main and external display respectively.
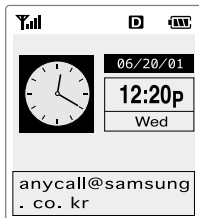
If the phone is out of service, the ✗ icon appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.

Note: You can change the display language via the **Language** menu option (**6-5**).

3. When you wish to switch the phone off, hold down ✎ for more than two seconds.

WARNING!
Do not switch on the phone when the mobile phone use is prohibited or when it may cause interference or danger.

Note: Do not touch the antenna on the phone unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Changing the Display for Standby Mode

Your phone provides you with a variety of items to display in Standby mode. You can change the idle screen with ease to one of the following items depending on your preference.

• Clock and calendar: displays a clock with with a daily pad calendar. This is default display.

• World clock: displays two clocks showing the time in the time zones selected in the **World Time** menu option (see page xx).

• Digital clock: displays the digital clock.

• Wallpaper 1 and 2: displays the wallpaper animations selected in **Idle 1** and **Idle 2** under the **Animation** menu option (see page xx) respectively.

To change the display in Standby mode, press ((or)) until you find the desired display.

CHV Code

The CHV code supplied with the UIM card helps you protect the UIM card against unauthorized use. When requested the code, key in the appropriate code (displayed as asterisks for security). If you enter an incorrect CHV code three times in succession, your UIM card is blocked. To unblock the card, contact your service provider.

You can enable or disable the code using the **R-UIM Setup** menu option (**9-0**). For further information on the CHV code, see page xx.

Your Phone's Mode

Standby Mode

Standby is the most basic state of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press ⏚. When your phone is in Standby mode, you will typically see the current date and time. If you enter a phone number, you can press ⏚ to dial it, or press ⏚ to save it in the internal phone book.

Press ⏚ at any time to return to Standby mode. Be careful; if you are on a call when you press ⏚, you will return to Standby mode, but it also disconnects the call. Press ⏚ several times or hold it down to return to Standby mode without ending the call.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing ⏚ gives you a list of options referred to as "In-Call Options." See page xx for details on the options.

Power Save Mode

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching. While this feature is active, the phone's battery charge will conserved. The phone will automatically recheck for a signal periodically.
To manually force the phone recheck for a signal, press any key. A message on the display let you know when your phone is operating in Power Save Mode.

Lock Mode

When you lock your phone using the **Lock Mode** menu option (see page xx), you cannot use the phone. Even in Lock mode, you can receive messages and calls, but cannot place an outgoing call until you unlock the phone.

To unlock the phone, press ⏚, and enter the lock code. The phone returns to Standby mode.

Call Functions

Making a Call

To make a call, proceed the followings:

1. In Standby mode, enter the area code and phone number.

   While entering a phone number, press ✍ to insert a hard or two-second pause or a hyphenation. For more information on pause dialing, see page xx.

2. Press ⌂SEND . The phone places the call to the entered phone number.

Note: If you have set **Auto Retry** menu option (**9-1**) to **On** (see page xx), and nobody answers to you or the line is busy, the phone automatically retries to make the call.

Correcting the Number

To clear...	Then...
The last digit displayed	Press ⌂CLR .
The whole display	Hold down ⌂CLR for more than one second.

Ending a Call

When you have finished your call, press ⌂END .

The call time (length of the call) displays with the number of the called party. If the number is stored in your Phonebook, the name is displayed. If there is no match in Phonebook, you can press ⌂ and store the number to the Phonebook. For further information on storing the number in the Phonebook, see page xx.

Or, simply close the phone to end a call.

Redialing the Last Number

To redial the number you dialed last, press ⌂SEND twice.

The phone stores the last 10 numbers dialed so that you search for the desired number in the last call log. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, return to Standby mode by pressing ⌂CLR .

2. Press ⌂SEND . The list of outgoing calls are displayed.

3. Press ⌂ or ⌂ (or the volume keys on the left side of the phone) to scan through the list until you find the required name or number.

4. Press ⌂SEND to dial the displayed number.

Making a Call from the Phonebook

You can store the phone numbers called regularly in memory, called Phonebook. You then simply recall the number to dial. For further information on Phonebook, refer to page xx.

Prepend Dialing

The Prepend option lets you add digits such as area codes and network feature activation codes to a phone number that is in your Phonebook or Call logs before dialing it. (The prepended phone number cannot be more than 10 digits.)

To prepend existing phone numbers in the Phonebook or Call logs:

1. Access the Phonebook entry.

2. When the desired phone number displays, press to access the **Options** menu.

3. Press to select the **Prepend** option.

4. Enter the area code or feature code.

5. Press to dial the number.

Speed Dialing

Once you have stored phone numbers labeled with Speed Dial in the phonebook memory, you can dial them easily whenever you want. See below.

One-Touch Dial

Memory locations 01 through 09 are special one-touch locations. You can dial the phone numbers stored in the Phonebook memory from 01 through 09 simply by pressing one button.

Press and hold the third digit of the memory location containing the number to be dialed.

For example: Location no. 009
           Press and hold.

The number (and name) stored is displayed, then dialed.

Two-Touch Dial

Memory locations 10 through 99 are special two-touch locations.

Press the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 023
           Press briefly and hold down .

The number (and name) stored is displayed, then dialed.

Three-Touch Dial

Memory locations 100 through 500 are special three-touch locations.

Press the first and the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 123

> Press [1_] and [2ABC] briefly, then hold down [3DEF].

The number (and name) stored is displayed, then dialed.

Emergency Dialing

You can place calls to hard-coded emergency numbers (911, *911, and #911) or three specified number in the emergency number list even if your phone is locked or all outgoing calls are restricted. For further information on emergency numbers, refer to page xx.

Pause Dialing

When you call automated system, like banking services, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Phonebook, separated by special characters called pauses.

There are two kinds of pauses that can be entered on your phone:

• Hard pause: A hard pause stops the dialing sequence until you press [SEND].

• Two second pause: A two second pause stops the dialing sequence for two seconds and then automatically sends the remaining digits.

  Note: Multiple two second pauses can be entered to extend the length of a pause. For example, two consecutive two second pauses cause a total pause time of four seconds. However, keep in mind that pauses count as digits towards the 32 digit dialing maximum.

Storing Pauses in a Phonebook Entry

To store a number in your Phonebook that contains pauses:

1. Enter the phone number you want to store (such as the bank's teleservice phone number).

2. Press [✎]. The Dial options display.

3. Press ⬜ or ⬜ to enter the desired pause.

- Press ⬜ for **P pause**. The letter "P" displays in the number, meaning that a hard pause will occur at that point in the dialing sequence.
- Press ⬜ for **T pause**. The letter "T" displays in the number, meaning that a "Timed" pause will occur at that point in the dialing sequence.

4. Enter the digits that need to follow the pause (such as your account number).

5. Store the number in your Phonebook as you normally would by pressing ⬜ and following the screen prompts.

Pause Dialing from a Stored Phonebook Entry

1. Dial the number from the Phonebook.

2. If you stored the number using a two second pause(s), your phone transmits the number that follows the "T" pause two seconds after connection.

   If you stored the number using a hard pause(s), wait for the appropriate prompt from the number you are calling (credit card number, back account number, etc.). When prompted, press ⬜ to send the DTMF number that follows your hard pause.

3. "SENDING DTMF" flashes on the display and the transmitted tone sounds.

Manual Pause Dialing

You can enter pauses manually using the Dial options during the dialing process.

1. Enter the phone number of the service you want to call (such as a bank's teleservice phone number).

2. Press ⬜ to display the Dial options.

3. Press ⬜ for **P Pause**. The phone displays a "P" meaning a hard pause. Enter the number to be sent after the pause and then press ⬜. After connecting, press ⬜ again to transmit the additional number.

   Press ⬜ for **T Pause**. The phone displays "T" meaning a timed pause. When prompted, enter the number to be sent after the pause and then press ⬜. The phone transmit the number that follows the pause two seconds after connection.

Voice Dialing

Before using the Voice dialing feature, you must record the name and number in your phone using the **Voice Dial** menu. For further details, see page xx.

1. To place a call, press and hold 🔲, or open the phone, depending on the **Set Active** menu option (**7-3**). See page xx.

2. At the voice prompt, say the name into the microphone.

    • If the phone recognizes the name, the phone attempts a connection.
    • If the phone does not recognize the name, the screen prompts for the name again.
    • If the phone is unable to recognize the name after three attempts, the message **Did not match any voicetag try again** is displayed. Try the call again later, or check the recorded name.

3. The phone dials the corresponding number.

Adjusting the Volume

During a call, if you want to adjust the voice volume, use the volume keys on the left side of the phone.

Press 🔼 to increase and 🔽 to decrease the volume. The illustration on the display shows all eight levels (the more bars, the louder). No bars indicates the key beep is turned off.
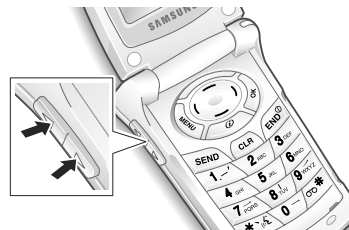
In Standby mode, you can adjust the ringer volume for calls using these keys.

Answering a Call

When somebody calls you, the phone alerts you by ring, blinking service light and the following screen on the display.

If the caller can be identified, the caller's phone number (or name if stored in your Phonebook) is displayed.

1. To answer a call, open the phone. If the phone is already open, press SEND .

   If the **Answer Mode** menu option (**9-3**) is set to **any key**, you can answer a call by pressing any key except END .
   if the menu option is set to **flip open**, you can answer a call simply by opening the phone.

2. End the call by closing the phone or pressing END .

Notes:
• You can answer a call while using the phonebook or menu features. The current operation will be interrupted.
• If you cannot answer an incoming call, you can set the phone to answer the call by the greeting message and record the caller's message. For further information, see page xx.

In-Call Options

Your phone provides a number of functions that you can use during a call. You may not utilize all of these functions at all times. Many of the in-call options are network services.

Press ✎ during a call to access the following in-call options:

Mute/Quit: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Calls (Menu 1): allows you to access the **Calls** menu. See page xx.

Phonebook (Menu 2): allows you to access the **Phonebook** menu. See page xx.

Silent/Quit: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Send Tel #: sends DTMF tones of your number.

My Phone # (Menu 6-4): shows your phone number.

Quick-switching to Silent Mode

Silent mode disables all sounds on the phone. This feature is best used in situations where the phone might disturb others, such as a meeting, library, theater, etc. Your phone can be set to silent mode with a press of a key.

To enter Silent mode, press and hold down ✱ .

Pressing and holding down ✱ once again exits Silent mode.

Viewing Missed Calls

If you fail to answer a call for any reason, the phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, a Missed entry is created, and the screen displays the phone number of the most recent missed call.

Press SEND to call the displayed number, or ✆ to clear the message and return to Standby mode.

To view the list of the missed calls, refer to '**Missed**' on page xx.

Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network. Contact your service provider to activate Call Waiting.

When a waiting call is detected, the incoming call alert sounds (network dependent) and a text notification displays. To answer a waiting call:

1. To answer the call, press SEND . The phone connects the calling party, and places the current party on hold.

2. Press SEND again to switch between two parties.

Call Forwarding

This feature provides the option of forwarding incoming calls to another phone number, even while your phone is off. Activating Call Forwarding does not affect outgoing calls made from this phone. Contact your service provider to activate Call Forwarding.

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records only the first party into the Outgoing Calls Log. But, you are billed airtime for each of the outgoing calls separately. Contact your service provider to activate Three-Way Calling.

During a three-way call, if one of the callers hangs up, you and the remaining caller will stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

1. During a conversation, press ⌊SEND⌋ . The phone places the other party on hold.

2. Enter the phone number for the third party, and then press ⌊SEND⌋ again.

3. When the third party answers, press ⌊SEND⌋ again to begin your three-way call.

Tentative

Entering Text

When using your phone, you will need to enter text at many times. For example, when storing a name in the Phonebook, writing a text message or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

You are provided with the following text input modes;

• **Word**(T9)**:** This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on ⌊5.KL⌋ could be J,K or L. The **Word** mode automatically compares your key presses to an internal linguistic database to determine the correct word. The **Word** mode requires far fewer keystrokes than the traditional multi-tap method, **ABC** mode.

• **ABC:** This mode allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter appears on the display.

• **Symbol:** This mode allows you to enter punctuation marks or symbols characters.

• **123:** This mode allows you to enter numbers.
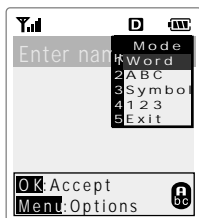
Changing Text Input Mode

When you are in a field that allows characters entry, you should notice the text input mode indicator in the lower right corner of the display.

Text input mode indicator

To change to another text input mode;

1. Press [MENU].

2. Scroll to the desired mode by pressing ⬇ or ⬆ .

3. To select the highlighted mode, press ◈ .

You can change between **Word** and **ABC** mode to enter words. To include a symbol or number(s) between characters, **Symbol** and **123** modes are also available.

4. You will find the selected text input mode indicator at the bottom right of the display.

Directions for using each of the text input modes appear later in this section.

Note: If you want to exit the Options screen without changing to a new mode, press [CLR] .

Chinese PY (Pinyin) Mode

Pinyin is a system to mark Chinese pronunciation in Latin alphabets. With the pinyin input method, you can enter Chinese characters by keying in the pinyin string from the phone keypad and the phone automatically presents the matching alternatives.

This mode allows you to enter Pinyin characters with only one key press per letter.

Typing Characters in Pinyin Mode

1. Press keys corresponding to the phonetic spelling, referring to the Roman letters printed on the keys. Notice that the choices in the Character Selection Map change.

Example: Typing 力 in Pinyin mode

Press 5 and 4 to enter 'ji'
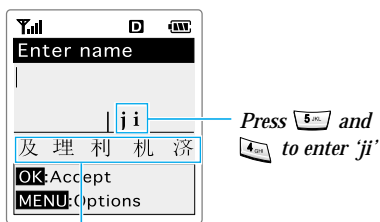
The Character Selection Map.

2. To scroll through choices in the Character Selection map, use the navigation key.

When the character you are typing appears in the Character Selection Map, you may select it, without completing the Pinyin spelling or entering the tone for the character.

3. To select a character, press 1 to activate the Character Selection Map. A number (1 to 5) is added to the beginning of a corresponding character. With the Character Selection Map being activated, a normal press on 1 to 5 selects the corresponding character.

Press 1 to select 力 with the Character Selection Map being activated.

Notes:
• To insert a space when entering a text, press # when the cursor blinks in the Text Area.
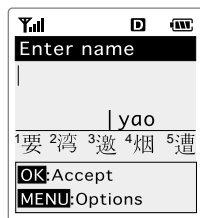• To remove the activate character in the Character Selection Map, press CLR.

Using Tone Key in Pinyin Mode

Entering the tone of a character you are typing narrows the number of choices in the Character Selection Map. Entering the tone for a character is optional, but it is especially useful if the Pinyin spelling is similar between characters. To enter the tone of a character, proceed as follows:

1. Enter the Pinyin spelling. For example, press [9^{wxyz}], [2^{ABC}], [6^{MNO}] to get 'yao'. Then, press [∞*] to display a Tone menu. The display shows alternative Pinying spelling and the four tone keys.

```
Y.ill            D    (III)
Enter name
1:wan       2:yan
3:yao       4:zan           ──  Alternative spelling
5:zao
7:‾ 8:ˇ 9:ˇ *:ˋ 0:·#         ──  Cancels tone input.
OK:Accept
MENU:Options
```

four tones   *light tone*
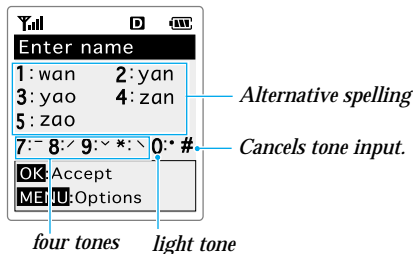
2. Press keys [7^{PQRS}] to [∞*] to associate a tone with the character. Pressing [0‾] associates the light with the character. For example, press [7^{PQRS}] to associate the first tone. You can also press [1.‾] to [5^{JKL}] to select an alternative Pinying spelling.

```
Y.ill            D    (III)
Enter name
|
          | yao
1要 2湾 3邀 4烟 5遭
OK:Accept
MENU:Options
```

3. Continue viewing and selecting the desired Chinese character from the Character Selection Map as described on page 46.

Notes:
- You may delete a previously entered tone by pressing [∞*] .
- To exit the Tone menu without making a selection, press [CLR] .

Scrolling

- To view your message without moving the cursor, press the volume keys on the left side of the phone.

- To move the cursor left or right through your text message, press   or   .

Clearing Strokes and Characters

Press [CLR] one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing [CLR] removes characters from the Text Area.

Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described on page 46.

For example, if you type the word "zhong guo (中國)" using the following keystrokes; [9^{wxyz}], [4^{GHI}], [6^{MNO}], [6^{MNO}], [1.‾], [1.‾] , you do not have to complete the Pinyin spelling to include "guo (國)". With no extra typing, " 國 " is displayed conveniently in the Character Selection Map for you to choose.

Chinese Stroke Mode

This mode allows you to enter individual Chinese strokes, in written order - from top to bottom, and from left to right.

Even though there are many different strokes used to create Chinese characters, the strokes are classified into 5 basic categories; heng, shu, pie, dian and zhe. The basic strokes are printed on the keypad, on keys ⓪ to ⑦ᴘᴏʀꜱ .

To enter a stroke, press the key printed with the stroke that most closely represents the exact stroke you desire. The table shows the stroke/key relationship:

Categories	Keys	Strokes Represented in Each Category
㇐	⑦ᴘᴏʀꜱ	㇐ ㇀
㇑	⑧ᴛᴜᴠ	㇑ ㇚
㇓	⑨ᴡxʏᴢ	㇓ ㇇ ㇕
㇔	*ᴘᴋ	㇔ ㇏ ㇇
㇕	⓪	㇕ ㇓ ㇐ ㇆ ㇃ ㇄ ㇇ ㇟ ㇅ ㇞ ㇉ ㇈ ㇀ ㇙ ㇌ ㇋

Typing Stokes and Characters in Stroke Mode

1. To type a character, press keys corresponding to its component strokes. Press keys on the handset in the order that you would write the strokes, using one press per desired stroke.

   Example: Typing (力) in Stroke mode
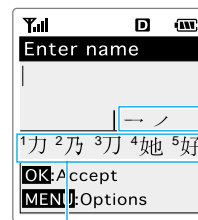
   Key Stroke Area.
   Press ⓪ to enter ㇐,
   then ⑨ᴡxʏᴢ to enter ㇓.

   The Character Selection Map.
   To select 力, press ①.

2. The phone displays your strokes in the Key Stroke Area and offers character choices in the Character Selection Map. As you enter strokes, notice that the choices in the Character Selection Map change.

   To scroll through choices in the Character Selection Map, press the navigation key.

Note: If you are uncertain of the order of one or more strokes, press *#ᴍ in place of each questionable stroke. Continue entering strokes until the character is displayed in the Character Selection Map or until you have finished the character.

3. When the character you are typing appears in the Character Selection Map, you may select it without finishing the stroke sequence for the character. Characters displayed in the Character Selection Map correspond to keys ⌨1 to ⌨6MNO on the keypad. To select a character from the Character Selection Map and add it to your message, press the corresponding key ⌨1 to ⌨6MNO .

Clearing Strokes and Characters

Press ⌨CLR one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing ⌨CLR removes characters from the Text Area.

Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described above.

In most cases, you will see the desired character in the Character Selection Map area before you have entered all of the strokes to build it.

For example, try typing the twelve stroke character pair " 中國 " using the following keystrokes; ⌨8TUV , ⌨2ABC , ⌨1 . Even though " 中國 " is a twelve stroke character pair, your phone enables you to type it in only three key presses!

Word Mode

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the phone just once per desired letter. For example, to enter 'hello', press ⌨4GHI , ⌨3DEF , ⌨5JKL , ⌨5JKL , ⌨6MNO .

2. The word you are typing appears in the display. It may change with each key press.

3. Type to the end of the word before editing or deleting any keystrokes.

4. Complete each word with a space by pressing ⌨⚬⃰ .

If the word that appears in the display is not the word that you desire, press ⌨0 one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence ⌨6MNO , ⌨3DEF . The phone displays the most commonly used choice first.)

To type words not found in the T9 mode, change the text input mode to ABC mode. Word typed in ABC mode are automatically added to the T9 dictionary so you can type them using Word mode the next time.

Smart Punctuations

Period, hyphen, and apostrophe are available on ⬡ .
T9 applies rules of grammar to insert the correct
punctuation. Notice that ⬡ is used twice in this
<u>example</u> to display two punctuation marks:

5	3	8	1	7	0	3	2	8	1
l	e	t	'	s		e	a	t	.

Including a Number

You can include a number between letters without
exiting the **Word** input mode. Press and hold the
desired number key.

Scrolling

• To move the cursor left or right through your text
  message, press ◖ or ◗ .
• To scroll through alternate word choices for the
  keys you have entered, press 0 .

Clearing Letters and Words

Press ⬡ one or more times to clear letters to the
left. Press and hold down the key to erase a word.

ABC Mode

When typing in **ABC** mode, you should press key
labeled with the required letter:
-Once for the first letter
-Twice for the second letter
-And so on.

For example, you press 2 three times quickly to
display the letter "C" , 5 two times quickly to
display the letter "K". So, this method is called
Multi-tap typing.

Refer to the table on next page for the list of
characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed
1	1 . – ' ! @ # % & * < > _ + = : " ( ) / \ ? , { } $ [ ]
2 ABC	A B C 2
3 DEF	D E F 3
4 GHI	G H I 4
5 JKL	J K L 5
6 MNO	M N O 6
7 PQRS	P Q R S 7
8 TUV	T U V 8
9 WXYZ	W X Y Z 9
0	0

(Caps Lock mode)

The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and enter the next letter.

If you enter a specific word in this mode the first time, the word is automatically added to your phone's database, and offers the new word as an option for its keystroke sequence when you are in the Word mode.

Changing Case

To shift the case of the next letter(s) that you type, press ⟨✳⟩ . There are three shift states: Lower Case is indicated by 🅐 at the bottom right of the display, Initial Capital is 🅐, and Capitals Lock is 🅐.

Inserting a Space

Press ⟨♯⟩ to insert a space between the words.

Scrolling

To move the cursor left or right through your text message, press ⟨❬⟩ or ⟨❭⟩ .

Clearing Letters and Words

Press ⟨CLR⟩ one or more times to clear letters to the left. Press and hold down the key to erase a words.

Symbol Mode

Symbol mode enables you enter symbols into a text message.

Press ⟨❬⟩ or ⟨❭⟩ to display more symbol sets.

Press keys corresponding to the desired mark, then the phone automatically switches back to the text entry mode used just prior to selecting Symbol mode.

123 Mode

123 mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

Using the Menus

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or using the shortcuts.

Accessing a Menu Functions by Scrolling

1. In Standby mode, press 📖 to access the main menu facility.

2. Scroll with ☞ or ☞ to reach the desired main menu, e.g. **Sounds**. Press 📖 to enter the menu.

3. Find the menu option you want, for example, **Key Beep**, by scrolling with ☞ or ☞ . Press 📖 to enter the menu option.

   If the menu you have selected contains submenus, repeat this step.

4. Scroll with ☞ or ☞ to find the setting of your choice.

5. Press 📖 to confirm the chosen setting.

Notes:
• To return to the previous menu level, press ⌫ .
• You can exit the menu without changing the menu settings by pressing ⌁ .

Accessing a Menu Functions by Using its Shortcut

The menu items (menu, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number.

1. In Standby mode, press 📖 to access the menu facility.

2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

   Example: Setting **Connect** tone to **On**

   Press 5JKL , 4GHI , and 3DEF .

   5 for **Sounds**, **4** for **Alerts**, **3** for **Connect**

3. Find the setting of your choice by pressing ☞ or ☞ , then press 📖 .

Note: The numbers assigned to each menu function are indicated on the list on page xx.

List of Menu Functions

The list shows the menu structure available and indicates the number assigned to each option.

1: Calls

- 1-1: Outgoing
- 1-2: Incoming
- 1-3: Missed
- 1-4: Erase Logs
  - 1-4-1: Outgoing
  - 1-4-2: Incoming
  - 1-4-3: Missed
  - 1-4-4: All
- 1-5: Air Time
  - 1-5-1 Last Call
  - 1-5-2 Total
  - 1-5-3 Erase Total
  - 1-5-4 Lifetime

2: Phonebook

- 2-1: Find Name
- 2-2: Add Entry
- 2-3: Find Entry
- 2-4: RelationSrch
- 2-5: Add email

3: Game

- 3-1: Push Push
- 3-2: Fly Ribon
- 3-3: Puzzle World
- 3-4: SpiderHunter

4: Scheduler

- 4-1: Today
- 4-2: View Month
- 4-3: Date
- 4-4: To Do List
- 4-5: Countdown
- 4-6: World Time
- 4-7: Calculate
- 4-8: Alarm Set

5: Sounds

- 5-1: Ringer Vol
  - 5-1-1: Calls
  - 5-1-2: Messages
  - 5-1-3: Alarm
- 5-2: Ringer Type
  - 5-2-1: Voice Calls
  - 5-2-2: Messages
  - 5-2-3: Alarm
  - 5-2-4: Data/Fax In
  - 5-2-5: Schedule
- 5-3: Key Beep
- 5-4: Alerts
  - 5-4-1: Minute Beep
  - 5-4-2: Service
  - 5-4-3: Connect
  - 5-4-4: Disconnect
  - 5-4-5: Fade
  - 5-4-6: Roam
  - 5-4-7: Privacy
- 5-5: Voice Volume
- 5-6: Roam Ringer
- 5-7: Power On/Off

6: Display

- 6-1: Backlight
- 6-2: Banner
- 6-3: Animation
    - 6-3-1: Power On
    - 6-3-2: Power Off
    - 6-3-3: Idle 1
    - 6-3-4: Idle 2
- 6-4: My Phone#
- 6-5: Language
- 6-6: Set Time
- 6-7: Auto Hyphen
- 6-8: LCD Contrast
- 6-9: Version

7: Voice Dial

- 7-1: Record
- 7-2: Play/Erase
- 7-3: Set Active
- 7-4: Training
- 7-5: Undo Train

8: Voice Rec.

- 8-1: Voice Memo
    - 8-1-1: Record
    - 8-1-2: Play/Erase
- 8-2: Call Answer
    - 8-2-1: On/Off
    - 8-2-2: Config
    - 8-2-3: Inbox

9: Setup

- 9-1: Auto Retry
- 9-2: Auto Answer
- 9-3: Answer Mode
- 9-4: Tone Length
- 9-5: Set NAM
- 9-6: Roam Option
- 9-7: Data/Fax
- 9-8: Whisper Mode
- 9-9: Security
    - 9-9-1: Lock Mode
    - 9-9-2: Restrict
    - 9-9-3: Lock Code
    - 9-9-4: Emergency #
    - 9-9-5: Send PIN
    - 9-9-6: Clear MEM
    - 9-9-7: Reset Phone
    - 9-9-8: Privacy
- 9-0: R-UIM Setup
    - 9-0-1: Enable CHV
    - 9-0-2: Disable CHV
    - 9-0-3: Change CHV

Calls

You can use the **Calls** menu to:
• View and dial the last outgoing or incoming numbers.
• Erase the numbers in the call logs.
• View the duration of calls.

Outgoing   *Menu 1-1*

The phone stores up to 10 outgoing calls you dialed.
When you access this menu, the list of the outgoing
calls is displayed.

1. Press or to find the desired number
   (or name if saved in Phonebook).

2. Press to select the highlighted number.
   The dialed number (and name if stored in
   Phonebook) is displayed.

3. If you want to access **Options**, press . The
   following options are available:

   • **Talk**: dials the selected number.
   • **Save**: allows you to save the number in the Phone
        book.
   • **Call info**: shows the date and time when the call
        was made.
   • **Prepend**: allows to add an area code or feature
        code to the number before calling the
        number.

   If you want to place a call to the displayed phone
   number, press . To exit the call log, press .

Incoming   *Menu 1-2*

This option lets you view the last 10 calls received (if
you are subscribed to the caller ID service). When
you access this menu, the list of the incoming calls is
displayed.

For further information on scrolling through the list
and accessing a call log, see "Outgoing" on page xx.

Missed   *Menu 1-3*

If the caller identification is available (contact your
service provider), your phone keeps a list of 10
incoming calls that you failed to answer.

For further information on scrolling through the list
and accessing a call log, see "Outgoing" on page xx.

Erase Logs   *Menu 1-4*

You can erase the entries stored in each of the three
call logs or all three logs at once.

The following options are available:

Outgoing: The calls you made are erased.

Incoming: The calls you received are erased.

Missed: The calls you missed are erased.

All: All calls you made, received and missed are erased.

When a confirming message pops up, press ⟨⟩ to erase the log. If you want to cancel the operation, press ⟨CLR⟩ .

Air Time
Menu 1-5

Your phone records the amount of airtime (or talk time) used. Using this option, you can view the number of the calls to or from your phone, and the airtime for all calls. You can easily erase the airtime measurement at any time.

The following options are available:

Last Call: shows airtime of the last call.

Total: shows the number of all calls made to or from your phone and total duration of the calls since the air time counter was lastly set to zero by using the **Erase Total** option.

Erase Total: erases the "Total" airtime measurement and resets the air time counter.

Lifetime: shows the number and total duration of all calls made to or from your phone since the phone was shipped from the factory.

Phonebook

The Phonebook allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number.

Find Name
Menu 2-1

This option allows you to find an entry by its name.

Note: You can locate Phonebook entries by name quickly when the phone is in Standby mode. Press ⟨⟩ to access this menu option in one step.

1. Press ⟨⟩ or ⟨⟩ to scroll to the desired name.

   You can also enter the character(s) of the name by pressing the associated alphanumeric key(s). The character(s) appears in the text entry box at the bottom of the display. Press ⟨⟩ . Using this method, the phone searches for the names in the list containing that character(s), and then displays the first name in that section of the list.

2. When the desired entry is highlighted, press ⟨⟩ to access the entry.

   Note: If you have stored the several numbers into different categories under one entry, they are listed under the name. Press ⟨⟩ or ⟨⟩ to find the number you want.

3. The phone shows the details on the name.
Press [SEND] to place a call.

With an entry selected, if you press 🔑 , you can
access the following options:

Talk: dials the number.

Add #: allows you to add a new entry or a number to
an existing entry.

Edit: allows you to edit phone number, name,
location number, label category and so on.

Prepend: prepends the number to add an area code
or feature code to the number before
dialing.

Erase: erases the number.

Name Ring: allows you to designate a unique ring
tone to signal an incoming call from the
number.

Email adr: allows you to store an email address in
the entry.

Add Entry   *Menu 2-2*

This menu allows you to store number with a name
in your Phonebook. You can store up to 500 entries.
Each entry can contain up to 32 digits with an
associated name of up to 16 characters.
Each entry is divided into 7 categories (Speed Dial,
Home, Office, Mobile, Pager, Fax, and Voice Dial).

Creating a New Entry

1. Enter a phone number and press 🔑 .

2. Your phone asks if you want to make a new entry.
Press 🔑 to confirm.

3. Highlight the desired option you want to customize
by using the Navigation key and press 🔑 . The
following options are available:

• **Name**: Enter the desired name. You can enter up
to 12 characters for a name. For further
information on how to enter text, see page xx.

• **Location**: The first available location displays. If
necessary, enter the location number using the
number keys, or press ⌐ or ⌐ to scroll to
the desired location.

• **Secret**: To set the number in secret, select **On**.
Setting **Secret** prevents a number from being
displayed when it is accessed by unauthorized
user, or dialed. When you have made the number
secret, only a person with your phone's lock code
can view the number.

• **Category**: Select the label for the number. The
available categories are Speed Dial, Home, Office,
Mobile, Pager, Fax, No Label, or Voice Dial.

Note: If you store a number with the label 'Voice
Dial', the phone prompts you to record a name
after you complete customizing all other options
by pressing 🔑 . For more information on
recording a name for voice dialing, see page xx.

• **Relation**: Select the desired one of the four predefined relation groups, where the entry is included. Grouping the entries enables you to locate only the numbers in the desired group. See page xx.

• **Ringtype**: Select the unique ring type for the entry. By selecting different tones, incoming voice calls which have caller ID can be distinguished from those that do not.

4. Press 🔘 to accept the setting for the selected option.

5. Repeat steps 3 and 4 to customize another option.

6. Press 🔘 to save the entry.
After storing, the phone displays the phonebook entry number you saved and the remaining entries you can further store phone numbers, then automatically returns to Standby mode.

Storing Phone Numbers at Call End

To store a phone number at your call end:

1. Press 🔘 to end the call. The call time and the phone number display.

2. To store the phone number, press 🔘 .

3. To complete storing the number, follow the instructions in "Creating a New Entry."

Adding a Number into an Existing Entry

You can store up to eight numbers per entry by assigning them to different categories. Note that you cannot duplicate same categories for one entry. For example, you can only have one number labeled 'Mobile' for the selected entry.

1. In Standby mode, enter a number and press 🔘 .

2. When your phone asks if you want to make a new entry, find the desired entry using 🔘 or 🔘 and press 🔘 .

3. Press 🔘 or 🔘 repeatedly to go to the Category field and press 🔘 .

4. Find the desired category label using 🔘 or 🔘 and press 🔘 .

5. Press 🔘 to store the number.

Note: If you have selected the label already used for another number, the message asking if you want to overwrite the number appears along with a warning tone. Press 🔘 and select a new one.

Find Entry
Menu 2-3

This option allows you to find an entry by its location number.

Note: You can locate Phonebook entries quickly when the phone is in Standby mode. Press ⊂ to access this menu option in one step.

1. Enter the location by pressing the numeric keys.

2. When the desired entry displays, press to place a call.

Note: If you have stored the several numbers into different categories under one entry, they are listed under the name. Press ⊂ or ⊂ to find the number you want.

If you press , you can access the options. For further information on **Options**, refer to the **Find Name** menu on page xx.

Relation Search
Menu 2-4

This option allows you to find an entry by its relation group.

1. Select the group containing the entry you want to find using ⊂ or ⊂ and press .
   The phone lists all entries in the selected group.

2. Scan through the list using ⊂ or ⊂ to find the desired entry.

Add email
Menu 2-5

This option allows you to store an e-mail address as a phonebook entry.

1. Enter the e-mail address and press .

   For further information on entering text, see page xx.

   Note: You can insert .**com** or .**net** which is often used for e-mail addresses from the Mode popup list when pressing .

2. The phone asks if you want to make a new entry. Press and complete storing the address.

   For more information on creating a phonebook entry, see page xx.

Game

You can enjoy several games using your phone. Your phone has the following games.

• Push Push
• Fly Ribon
• Puzzle World
• SpiderHunter

Press ⬇ or ⬆ to scroll to one of the games and 🔘 to start.

On the game screen, press 🔘 to get help on the game if available. To go back to the game, press CLR.

To quit the game, press END at any time.

Note: The key operation may vary depending on the selected game. Please use the onscreen help.

Scheduler

The Scheduler feature enables you to:
• Keep track of important dates and events.
• Create a list of things to do.
• Set and count D-Day.
• Check the time in another part of the world.
• Use the phone as a calculator.
• Set the phone to ring at a specified time.

Today   *Menu 4-1*

You can schedule up to 9 events for the current day indicating each event's start and end time. You can be alerted by the Calendar function before an event is commenced. Events scheduled for future dates automatically appear on your Today events schedule on that particular day.

Scheduling an Event

1. Enter your event information and press 🔘 to accept your input.

   You can enter up to 32 characters. For further information on how to enter text, see page xx.

2. Enter the Start time and date using the numeric keys, and press 🔘 .

   Note: Use the volume keys on the left side of the phone to toggle between AM and PM.

3. Enter the End time and date using the numeric keys, and press $\mathscr{D}$.

4. Select when an alarm will notify you of your event by pressing 〒 or 〓 . Selecting **No alarm** does not ring the alarm.

5. Press $\mathscr{D}$ to save your event.

Adding, Editing, or Erasing an Event

If you already scheduled events when you select the **Today** menu option (**4-1**), the events are displayed. Press ((or)) to select the event you want to view. If necessary, press 〓 to display more contents in the selected to-do item.

The following options are available when you press ✎ .

Add new: allows you to add a new event.

Edit: allows you to edit a selected event.

Erase: allows you to erase a selected events.

After you select an option, press $\mathscr{D}$. Then follow the screen prompt.

View Month

Menu 4-2

This option allows you to view the past or future month as well as the current month in calendar format. In this option, the current date is highlighted on the calendar. Days with the scheduled events are marked with ✳ in front of them.

• You can move to the next or the previous day by pressing ((or)) .

• You can move up or down the Calendar by one week by pressing 〒 or 〓 .

• To display the next or previous month, use the volume keys on the left side of the phone.

The following options are available when you press ✎ .

View: allows you to view the scheduled events of the selected day.

Add new: allows you to add a new event on the selected day.

Creating a New Event

Scroll to the desired date in the calendar using the navigation keys and volume keys and then press to confirm the selected date. And schedule a new event referring "Today" on page xx.

Adding, Editing, or Erasing an Event

When a scheduled event is displayed, press ✎ to access the **Options**.

For further details on Options, refer to "Today" on page xx.

Date
Menu 4-3

This feature allows you to specify the date you want to view so that you can easily go to the day without scrolling through the Calendar. Once the date is obtained, you can create, edit and delete events on your calendar.

Enter the desired date using the numeric keys, and press ⟨⟩ . When the day you selected is highlighted, press ⟨⟩ to access it.

To create, edit or erase the events, refer to "Today" on page xx.

To Do List
Menu 4-4

This feature allows you to draw up a list of tasks you need to do and assign a priority and deadline to them. You can store up to 20 tasks.

Creating a To-Do Item

1. Enter the task contents and press ⟨⟩ .

   You can enter up to 32 characters. For further information on how to enter characters, see page xx.

2. Enter your deadline using the numeric keys.

   Note: Use the volume keys on the left side of the phone to toggle between AM and PM.

3. Select **High** or **Low** priority using ⟨⟩ or ⟨⟩ .

4. Press ⟨⟩ to store the task.

Adding, Editing and Erasing a To-Do Item

If tasks are already defined in the To Do List when you select the **To Do List** menu option (**4-4**), the most lately created task is displayed with the deadline and the associated priority (**[Hi]** for high priority or **[Lo]** for low priority).

Scroll to the desired item by pressing ⟨⟩ or ⟨⟩ . If necessary, press ⟨⟩ to display more contents in the selected to-do item.

The following options are available when you press ⟨⟩ .

Add new: allows you to add a new task.

Edit: allows you to edit the selected task.

Erase: allows you to erase the selected task.

After you select an option, press ⟨⟩ . Then follow the screen prompt.

Countdown
Menu 4-5

This menu helps you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific event. You can create up to 5 Countdown timers using this feature.

Creating a Countdown Timer

1. Enter a name for your new Countdown timer and press ✍.

   You can enter up to 16 characters. For further information on entering text, see page xx.

2. Enter the date and time that you want to count down from.

   Notes:
   • Use the volume keys on the left side of the phone to toggle between AM and PM.
   • You can enter the years between 1980 and 2099 for the year.

3. Press ✍ to save the item.

Adding, Editing and Erasing a Countdown Timer

If a Countdown timer is already defined when you select the **Countdown** menu option (**4-5**), the defined Countdown timer is displayed.

If there are more than one items defined in the menu, scroll to the desired item by pressing (◖ or ◗) , and press ✍.

The following options are available when you press ✎.

Add new: allows you to create a new item.

Edit: allows you to edit the item.

Erase: allows you to delete the item.

After you select an option, press ✍. Then follow the screen prompt.

World Time

Menu 4-6

You may want to call a friend in another part of the world but wondered what time of the day it is there. To know what time it is, use this menu option.

Note: This world time does not consider the summer time.

When accessing the World time menu, you can see two globes set to GMT by default.

Press (◖ or ◗) to alternate between both globes. You can use them to find out the time in the two different parts of the world. For example, set the 'Current' globe to Las Vegas and 'Another' globe to 'Korea'. You can easily see the time lag between them. To scroll to the desired time zone, press ▬ or ▬ .

The following 31 time zones (identified by one or more major cities, states, regions or countries in a time zone) are available:

• France	• Finland	• Moscow
• Iran	• Oman	• Afghanistan
• Perm	• India	• Nepal
• Omsk	• Myanmar	• Vietnam
• Lake Baycal	• Korea	• Darwin
• Sakhalin	• Magadan	• Kamchatka
• Midway Islands	• Aleutian Islands	• Alaska
• Las Vegas	• Calgary	• Chicago
• Atlanta	• Fredrictown	• Newfoundland
• Greenland	• Atlantic	• Azores
• London, UK		

Calculate   *Menu 4-7*

Using this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication and division.

Performing a Calculation

1. Enter the first number using the numeric keys.

2. Press ⟨●⟩ or ⟨❶⟩ to set the operator for your calculation until the required arithmetic symbol appears: + (add), - (subtract), x (multiply), / (divide).

3. Enter the second number.

4. To calculate the result, press ⟨✦⟩.

5. Repeat steps 1 to 4 as many times as required.

   Each time you change the operator without pressing ⟨✦⟩, the previous calculation is performed and the result is displayed as the top number in the display.

Notes:
• To erase any mistakes and clear the display, press ⟨CLR⟩.
• Use ⟨✳⟩ to enter a decimal point and ⟨∞#⟩ to change the sign of a number to a negative (-).

Alarm Set   *Menu 4-8*

This option allows you to set the alarm to ring at a specific time.

To set the alarm, proceed as follows:

1. Select the alarm frequency option by pressing ⟨▱⟩ or ⟨▬⟩ and press ⟨✦⟩.

   • **Daily**: the alarm rings every day at the same time.

   • **Once**: the alarm rings only once and is then deactivated.

2. Enter the required time when an alarm rings using the numeric keys.

   Note: Use the volume keys on the left side of the phone to toggle between AM and PM.

3. Press ⟨✦⟩ to save the setting.

To stop the alarm when it rings, simply open/close the phone or press any key.

To deactivate the alarm, access the Alarm Set menu option, select **Off** in the frequency options and press ⟨✦⟩.

Sounds

You can use the **Sounds** menu to customize various sound settings, such as the:

• Ringer volume, type, and tone
• Key beep and voice volume
• Alert sounds and a ringer for the roaming calls
• The ringer which sounds when the phone is switched on or off

Ringer Volume *Menu 5-1*

This menu option allows you to adjust the ringer volume.

Calls: allows you to adjust the ringer volume for the incoming calls.

> **Note**: You can adjust the the volume using the volume keys on the left side of the phone in Standby mode.

Messages: allows you to adjust the ringer volume for the incoming messages.

Alarm: allows you to adjust the ringer volume for an alarm.

Press ☎ or ☎ (or volume keys on the left side of the phone) to adjust the volume.
Selecting **Vibrate** switches the phone to vibration mode. An incoming call vibrates the phone.
Selecting **1-Beep** sounds a beep.
Selecting **Silent** does not sound the ring.

Ringer Type *Menu 5-2*

This option allows you to set a unique ring for voice calls, messages, data/fax, alarm, and schedule. Select a unique ring tone from 25 melodies. As you change it, it sounds for a few seconds.

Voice Calls: allows you to set a unique ring for incoming voice calls.

Messages: allows you to have distinctive rings for voicemail notifications, text messages, and browser messages respectively.

Alarm: allows you to have a distinctive ring for an alarm.

Data/Fax In: allows you to be alerted with a distinctive ring tone when you are faxed or received a data through the phone (dependent on the network).

Schedule: allows you to have a distinctive ring for an schedule alarm.

Key Beep *Menu 5-3*

This option allows you to adjust the tone volume that the keypad generates each time you press a key.

Press ☎ or ☎ (or volume keys on the left side of the phone) to adjust the volume. The illustration on the display shows up to eight levels (the more bars, the louder). Selecting **Silent** turns off the key beep.

Alerts

Menu 5-4

Your phone gives audible alerts (beeps) at a specified time to inform you that certain things have happened. The alerts only occur in your earpiece so the other party does not hear them.

The available alerts are:

Minute Beep: With this menu option set to **On**, the phone sounds an alert 10 seconds before each elapsed minute to remind you of the length of the current call.

Service: With this menu option set to **On**, the phone sounds an alert when you exit service area or when you return to a service area.

Connect: With this menu option set to **On**, the phone sounds the connect tone when your call is connected to the system.

Disconnect: With this menu option set to **On**, the phone sounds the disconnect tone when a call is disconnected.

Fade: With this menu option set to **On**, the phone sounds an alert when a dropped call occurs during conversation in response to a signal fade.

Roam: With this menu option set to **On**, the phone sounds an alert when your phone starts roaming.

Privacy: With this menu option set to **On**, the phone sounds an alert when you loose a private encrypted CDMA line.

Voice Volume

Menu 5-5

This option enables you to adjust the voice volume of the earpiece.

Press ☜ or ☝ to adjust the volume (or volume keys on the left side of the phone). The illustration on the display shows the level strength.

Note: You can adjust the volume using the volume keys on the left side of the phone during a call.

Roam Ringer

Menu 5-6

You can set the phone to use a distinctive ring for incoming roaming calls.

Press ☜ or ☝ to choose **On** to use a distinctive ringer or **Off** to use a normal ringer.

Power on/off

Menu 5-7

This option allows you to turn on or off the phone sounds when it is switched on and off.

Press ☜ or ☝ to select **On** to turn the sound on or **Off** to turn it off.

Display

The Display feature enables you to:
- Set the length of time for backlight.
- Create your own greeting, and select an animation to be displayed in Standby mode or when powered on or off.
- Adjust the screen contrast of the main LCD.
- View the version of your phone.

Backlight   *Menu 6-1*

You have several options for setting how the LCD backlight operates. When the phone is closed, the backlight remains off thus conserving battery power. When the phone is open, the length of time that the backlight remains on can be set as explained below. Remember that backlight use drains your battery faster.

The following options are available:

30 (/**15**/**7**) **seconds:** The backlight comes on when you press a key or receive a call and switches off 30(/15/7) seconds after the last key is pressed.

flip open: The backlight comes on each time you open the phone.

always off: The backlight is not used.

always on: The backlight remains on while the phone turns on.

Banner   *Menu 6-2*

This option allows you to set a banner message to be displayed at the bottom of the display in Standby mode. It can also be used as your ID when sending an e-mail.

To change the banner:

1. If necessary, press ⬛ repeatedly to clear off the old greeting.

2. Enter your banner message up to 30 digits by using the alphanumeric keys. For further information on how to enter letters, refer to page XX.

3. When entering is completed, press ✎ to save the new banner.

Animation   *Menu 6-3*

Your phone displays animated images in Standby mode or when it is turned on or off. This setting is just for fun and grins, so have fun with it.

The following options are available:

Power On: You can select an image to be displayed when you switch the phone on. 4 images are available. Also, you can download up to 4 images from the wireless web.

Power Off: You can select an image to be displayed when you switch the phone off. 4 images are available. Also, you can download up to 4 images from the wireless web.

Idle 1 (/**2**): You can store an animation to **Idle 1** and **Idle 2**. These two animations will be used as one of the items to be displayed in the Standby mode.

My Phone Number   *Menu 6-4*

This option shows your phone number.

After viewing the number, pressing 🖉 returns to Standby mode.

Language   *Menu 6-5*

Sets the language of voice prompts, menus and key-input.

Select the desired language by pressing ☜ or ☟ . The available languages are **ENGLISH**, **CHINESE**.

Note: This setting does not affect the Web Browser.

Set Time   *Menu 6-6*

This option allows you to set the current date and time.

To set the date and time, proceed as follows:

1. Select **On** by pressing ☜ or ☟ and press 🖉 .

   Selecting **Off** returns to Standby mode.

2. The current time, if set, displays. Enter the current time and date using the numeric keys.

   The month, day, hour and minute must be entered with 2 digits. The year requires all four digits. And you must enter the hour in 12-hour format.

   Note: Use the volume keys on the left side of the phone to toggle between AM and PM.

3. When entering is completed, press 🖉 to save the time and date.

   If you enter a wrong time, the phone displays '**Invalid time**' and prompts you to enter again.

Auto Hyphenation
Menu 6-7

With this menu option set to **On**, your phone automatically hyphenates numbers when you dial a number. This hyphenates numbers as follows: 000-000-0000. Digits following a pause are not hyphenated.

LCD Contrast
Menu 6-8

The menu allows you to adjust the brightness of the main LCD screen.

Press ⬆ to make the screen brighter, and ⬇ to make the screen darker. You can also use the volume keys to adjust the brightness.

Each time you press the key, you will see the selected status of the LCD.

Note: This setting does not affect the external LCD.

Version
Menu 6-9

This option allows you to view the software and hardware versions of your phone. This feature is helpful if you have to call customer care.

Voice Dial

When your phone is in digital mode, you can call up to 20 stored entries by speaking the name into the microphone. Using the Voice dialing option requires that you first program the phone to recognize the name of the person you are calling.

Record
Menu 7-1

This option allows you to record names and register numbers for subsequent voice dialing. The phone provides voice prompts and screen displays to guide you through the recording process.

1. Say the name you want to program at the prompt. The phone stores the name as a first sample.

2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then prompts you to enter the phone number.

3. Enter the phone number by pressing the numeric keys and press ✎.

4. Complete storing the number into Phonebook referring page xx.

Note: You can also program the phone for voice dialing by accessing the **Phonebook** menu. Use **Add Entry** menu under **Phonebook** to store a phone number, then select **Voice Dial** from the label category. For Further details, see page xx.

Tips on Recording Name

- Avoid recording similar names phonetically. If you record a similar name to the one already in memory, the phone requests another name.

- Speak clearly and naturally.

- The person who will use the phone should record the name. The phone does not recognize the name if the voice sounds differently.

- Avoid too long or too short name. Names with two to five syllables are recommended.

- If this feature does not work properly, erase the name, and record with another name.

- It is recommended to practice several times to obtain best result.

- You can record up to 20 names. If you try to record more than 20, the phone announces 'Memory is full'.

Play/Erase   *Menu 7-2*

This option allows you to check or erase an individual voice dial entry. A list of the entries displays.

Press ☎ or ☎ to scan through the list and find the desired entry.

Press 🔊 to play back the recorded name.

Press 🔊 to access the following options:

Info: shows the Phonebook information on the selected entry.

Erase: erases the selected entry.

Erase all: erases all entries in the Voice Dial list.

Talk: places a call to the number stored in the selected entry.

Phonebook: allows you to edit the Phonebook information on the selected entry.

Play all: plays back all names in the Voice Dial list.

Set Active   *Menu 7-3*

Voice Dialing is always active once you have programmed the phone to accept voice dialing entries and the associated phone number.

To place a call using Voice Dialing, simply press and hold 🔲 in Standby mode and then say the name into the phone after you hear the prompt.

You can also initiate a Voice Dialing call just by opening the flip, when you select this option.

 # Only: enables Voice Dialing only by pressing and holding 🔲.

 # or Flip: enables Voice Dialing by pressing and holding 🔲 or by opening the phone.

Training

Menu 7-4

You can set your phone to get your voice confirmation before dialing with your voice if there is similar names phonetically and the phone is confused which number you want to dial.

To activate this feature, you must train your phone to recognize the control words Yes and No.

Once the control words are recorded, the phone will try to get your voice confirm unless you select the **Undo Train** menu option (**7-5**) if the phone is confused with similar names.

To record control words:

1. The phone will prompt you to say the control word Yes. Say 'Yes.'

2. At a confirming prompt, say 'Yes' again.

3. The phone will prompt you to say the control word No. Say 'No.'

4. At a confirming prompt, say 'No' again.

Undo Train

Menu 7-5

If you do not want to be asked to confirm the name by the phone when voice dialing, activates this menu option to cancel the trained control words. Even though the name you said is confusing with another, the phone dials the number as it recognizes.

Press ✍ to activate this menu.

To deactivate this menu option and you want to set the phone to ask your confirm before dialing, you must train the phone again using the Training menu option (**7-4**).

Voice Record

This menu allows you to:
- record a voice memo to memorize the things you must remember.
- set the phone to answer an incoming call with a greeting message and record the caller's message.

Note: You can record the voice memos and caller's messages up to 8 minutes in all.

Voice Memo   *Menu 8-1*

You can record voice memos. When recording, a timer displays to show you the elapsed time. When recording time expires, an alert sounds to indicate and you can save the memo already recorded by that time.

Recording a New Memo

1. Press when **Record** is highlighted.
   If there is no recorded memo when you access this menu option, the phone asks if you want to record a new memo. Press to start recording.

2. Wait until a prompt beep sounds and record the voice memo by speaking into the microphone.

   While recording, you can pause recording by pressing , and resume by .

3. When recording is completed, press .

4. Press or to select **Save** from the list and press .

   If you want to play back the memo you have recorded, select **Play**.

   If you want to discard the currently recorded memo and re-record a new one, select **Record**.

   If you want to quit saving the recorded memo, select **Quit** or press .

5. Enter the title for the memo and press . For further information on how to enter text, see page xx.

   If you press without entering a title, the memo is saved labeled with 'No Title'.

Note: When your phone is in analog mode, this function is not available.

Playing Back or Erasing a Recorded Memo

1. Press or to select **Play/Record**, and press .
   The list of the recorded memos appears.

2. Press or to scroll to the desired memo and press to play it back.

   While playback, you can pause playing by pressing , and resume by .

3. If you want to access the following options, press ⟨⟩.

- **Info**: shows the detailed information on the memo, such as the title, elapsed time, memory used for the memo and the time when the memo was recorded.
- **Erase**: erases the selected memo.
- **Erase All**: erases all of the recorded memo.

4. Press ⟨CLR⟩ to go back to the previous screen or ⟨END⟩ to return to Standby mode.

Call Answer   *Menu 8-2*

Using this menu, in case that you are not able to answer an incoming call, you can set your phone to answer calls with the predefined greeting message that came with the phone or your own message and record the caller's message.

Turning on or off Call Answer

1. Press ⟨⟩ when **On/Off** is highlighted

2. Select **Enable** to turn on this feature or **Disable** to turn off using ⟨⟩ or ⟨⟩.

3. Press ⟨⟩ to save the setting.

4. If you turned on Call Answer, the phone shows the current configuration for the Call Answer feature.

To change them, press ⟨⟩ and configure the options. See page XX.

If you are satisfied with the current settings, press ⟨⟩.

With this feature enabled, the phone answers the incoming calls, and the callers can leave you the message after a greeting message.

Notes:
- While recording the caller's message, you can answer the call by pressing ⟨SEND⟩.
- When your phone is in analog mode, this function is not available.

Configuring the Call Answer Options

1. Press ⟨⟩ or ⟨⟩ to scroll to **Config**, and press ⟨⟩.

2. Press ⟨⟩ to ⟨⟩ to scroll to the desired option, and press ⟨⟩.

The following two options are available:

- **Greeting**: allows you to record your own greeting message and select the desired message to be played at an incoming call. For further information on the greeting message, see page xx.

- **Screening**: turns on or off the screening speaker which allows you to listen to the caller's message while the caller is leaving it.

- **Wait time**: sets the time the phone waits before answering the call with the greeting message. You can select one among **After 3 sec**, **After 5 sec**, and **After 10 sec**. Selecting **No ring** plays back the message as soon as the phone receive signal of a call.

3. After setting the options, press 🖋 to save the setting.

4. Press ⏎ to back up one menu level. Or, press ⏏ to return to Standby mode.

Recording and Selecting a Greeting Message

You have a predefined greeting message to be played when a call comes in. Also, you can have one greeting message recorded as your preference.

To record your own message:

1. Access the Call Answer menu option.

2. Press ⬇ or ⬆ to scroll to **Config**, and press 🖋.

3. When **Greeting** is highlighted, press 🖋.

4. Press ⬇ or ⬆ to scroll to **Record** and press 🖋.

5. Wait until a prompt beep sounds and record the voice memo by speaking into the microphone.

While recording,you can pause recording by pressing 🔘 , and resume by ⏵ .

6. When recording is completed, press 🖋. The phone automatically saves and activates the message.

7. If you want to play back the currently selected message, highlight **Play** and press 🖋 .

If you want to record a new message, highlight **Record** and press 🖋. Repeat steps 5 to 6.

Note: Each time you record a message, your phone automatically overwrites the old message.

If you want to select a greeting message to be played, highlight **Select** and press 🖋 . Select **Mine** to use your own message and **Default** to use the default message and press 🖋 .

8. Press ⏎ to back up one menu level. Or, press ⏏ to return to Standby mode.

Listening to the Caller's Messages

1. Press ⊖ or ⊖ to scroll to **Inbox** , and press ⌀. The list of the recorded memos appears.

   Note: If the phone has the caller's messages waiting to be checked, it displays the total number of the messages and the date and time when the last message was recorded. Pressing ⌀ takes you to Inbox.

2. Press ⊖ or ⊖ to scroll to the desired message and press ⌀ to play it back.

   While playback, you can pause playing by pressing (, and resume by).

3. If you want to access the following options, press ⌀ .

   • **Info**: shows the detailed information on the memo, such as the caller's number (if identified), elapsed time, memory used for the message and the time when the memo was recorded.

   • **Erase**: erases the selected message.

   • **Erase All**: erases all of the recorded messages.

   • **Talk**: places a call the caller's number (if identified).

   • **Save**: stores the caller's number (if identified) into your Phonebook.

4. Press ⌧ to back up one menu level. Or, press ⌧ to return to Standby mode.

Setup

Many different features of your phone can be customized to suit your preferences.

Auto Retry   *Menu 9-1*

With this menu option activated, your phone will automatically retry the call up to 10 times when a connection fails.

To activate this feature, select how often the phone will automatically retry the call. **60 Seconds**, **30 Seconds**, and **10 Seconds** are available. Select **Off** deactivates this feature.

Auto Answer   *Menu 9-2*

With this menu option activated, the phone automatically answers calls after predefined rings. This option is useful while driving, for instance.

To activate this feature, select how many times your phone rings before answering an incoming call. **1 Ring**, **3 Rings** and **5 Rings** are available.

With this menu option set to **Off**, the phone does not answer an incoming call, and if you do not answer the call, it is stored in Missed Call log (see page xx).

Answer Mode
Menu 9-3

This menu option allows you to select how to answer an incoming call. It is preset to **SEND key**. The following options are available:

SEND key: The phone answers only when you press ⌨SEND .

flip open: The phone answers when you open the phone.

any key: The phone answers when you press any key except ⌨END .

Tone Length
Menu 9-4

The tone length setting enables you to select **Normal** or **Long** DTMF (dual-tone multi-frequency) tones. When you use a teleservice (such as your bank account) and press the keys to enter numbers into the teleservice, you are sending DTMF tones. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital (which most are these days) normal DTMF will almost always work. However, some new systems and almost all older (analog) systems require you to use long DTMF tones. Many home answering machines require long DTMF tones.

Set NAM
Menu 9-5

Your phone can store two NAMs (NAM stands for Numerical Assignment Module-essentially your telephone number). This means you can have tow phone number on your phone, and you can quickly and easily switch your service back and forth between the two numbers.

Select **NAM-1** or **NAM-2** using ☜ or ☞ . If you have changed the NAM, the phone will automatically reboot and acquire service using the new NAM setting.

Roam Option
Menu 9-6

Your phone allows you to control your phone's roaming ability. Roaming is a feature which is only relevant in areas where there are at least two cellular service providers having valid roaming agreements. Roaming allows you to register your phone on one of the networks, but use the facilities of the other if your own network is not available. This system priority feature allows you to program your phone for optimum operation when within your home service area or when outside your home service area.

You should always check your phone's display because it will let you know when you're outside the service provider network and whether your phone is operating in another network.

• your home network : Only the Digital Mode **D** icon displays.

• Other CDMA networks: The Roaming icon **R** and the Digital Mode icon **D** display.

• Other Analog network: The Roaming icon **R** and the Analog Mode icon **A** display.

You have two option which allows you to control the phone's roaming ability.

No Roaming: With this setting, you cannot roam. If your home system is not available, your call will not be connected and the No Service indicator ✘ is displayed.

Standard: Your phone automatically search for a first available one of all types of service according to the Preferred Roaming List supplied by the service provider.

Data/Fax   *Menu 9-7*

Your phone is capable of sending and receiving digital data and fax call when connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Windows NT, Windows 95 or later. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications.
To use digital data or fax services with your phone, you will need to obtain digital data/fax kit from your service provider. This kit will contain the necessary cables, software, and documentation required for you to connect and use your phone with your computing device.

Note: The phone must be on a digital network to receive or send fax and data.

The following options are available:

Data/Fax Off: Your phone receives voice calls only.

Fax for Powered Off: Your phone receives fax calls until you power off and back on the phone.

Fax for Next Call: Your phone receives fax calls for next 10 minutes.

Data until Powered Off: Your phone receives data calls until you power off and back on the phone.

Data for Next Call: Your phone receives data calls for next 10 minutes.

Receiving a Fax or Data File

To receive a fax or data, ensure that your phone is connected to your PC and is powered on, and select a desired option.

When you receive a fax call, set up the **Answer** mode in the Fax program on your PC and click on **Receive** and select one of the following:

• Automatic Receive (recommended)
• Manual Receive

Sending a Fax or Data File

When connected to a computing device, your phone allows wireless fax and data transmissions. Your computing device software initiates the call to the destination phone number. The phone functions as a wireless modem to send the fax or data file to the number designated by your PC software.

Whisper Mode   *Menu 9-8*

Whisper mode automatically increases the receiving sensitivity of the microphone to obtain the maximum quality of a call even when you speak in a softer voice so that the caller can hear you as if you are speaking normally.

Note: It is not recommended that the ear piece be used while using Whisper mode. Audio level may increase without notice depending on the surrounding conditions.

Select **On** to use this mode, or **Off** not to use it.

Security   *Menu 9-9*

Your phone provides you with various security options, including a user-programmable lock code and special number features.

To access the Security menu, you must enter the 4-digit lock code. It is preset to 0000 by default.

Lock Mode

Locking the phone limits use of the phone except an emergency call.
When the phone is Lock mode, the phone receives incoming calls and messages.

The following options are available:

Never: the phone remains unlocked.

On Power Up: the phone locks automatically at the next time your phone turned on.

Now: the phone locks immediately.

Once your phone is locked, you can see the message 'Locked' at the bottom of the display.

To place an emergency call in Lock mode, enter the number and then press ⬚. The phone recognizes the hard-coded emergency numbers or three programmed emergency numbers (**Menu 9-9-4**).

To unlock the phone, press ⬚ and enter the 4-digit lock code. The phone is immediately unlocked.

Restrict

This feature allows you to restrict outgoing calls from your phone except emergency calls by the hard-coded emergency numbers (911, *911 and #911) or three programmed emergency numbers (**Menu 9-9-4**). Once you restricted the phone, storing a number is also unavailable.

Select **Yes** to turn this feature on or **No** turn it off.

Lock Code

This feature allows you to change your current lock code to a new one. The lock code is preset to 0000 at factory.

Enter a new, four-digit lock code and enter the code once again at a prompt.

Note: Your phone does not allow viewing of the lock code for security reason. So, if you have changed the lock code, be sure to write down or memorize it.

Emergency Number

Your phone provides the option of storing three emergency numbers. All these numbers can be manually dialed at any time even when your phone is locked.

IMPORTANT NOTICE!
Because of various transmission methods, network parameters and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.
DO NOT depend on this phone as a primary method of dialing 911 or for any other essential or emergency communications.
Remember to always turn your phone on and check the adequate signal strength before placing a call.

To store a emergency number:

1. Press 🔽 or 🔼 to find the desired location and press 🗝.

2. Enter the desired number and press 🗝 to save the number.
   Each emergency number can be up to 10 digits long. The number already stored in the selected location is automatically deleted when you enter a new number.

To make an emergency call in Lock mode, simply enter a programmed number, then press 🔘SEND.

Send PIN

Note: Your service provider must enable this feature and assign you a PIN in order for this feature to work.

This feature prevents your phone from being used by unauthorized persons. The feature is only available if your service provider supports this service and you have a PIN (Personal Identification Number) assigned by the system supplier. Contact the service provider for complete information on this feature.

The following options are available:

Never: The option is not activated.

Prompt: When you make a call, you are asked to send PIN.

Clear Memory

This menu allows you to erase all data you have stored in the phone's memory, such as phonebook entries, tasks, schedules, call logs and so on.

When a confirmation displays explaining that you will clear all data in the phone memory, press 🔊 to confirm. The phone reboots (turns itself off then on), then returns to Standby mode.

Or, press ⬛ to cancel your selection and exit this menu.

Reset Phone

Resetting the phone returns to all user-selectable options to the default settings.

When a confirmation displays explaining that you will reset the phone, press 🔊 to confirm. The phone reboots (turns itself off then on), then returns to Standby mode.

Or, press ⬛ to cancel your selection and exit this menu.

Privacy

Used only in digital networks, Voice Privacy encrypts the voice channel so that people cannot eavesdrop on your conversation.

The following options are available.

Enhanced: turns this feature on. The phone will make and receive calls on an encrypted high security line.

Standard: turns this feature off. The phone will use a standard line for calls.

Note: This feature may not be available in all areas. Contact your service provider for details and availability.

R-UIM Setup

Tentative

Menu 9-0

When you subscribe a network, you are provided the CHV code, which is a password for use of the UIM card. Using this menu, you can enable the CHV code to avoid using the phone by the unauthorized user. Also, you can change the code as you want.

The following options are available:

Enable CHV: activates use of the CHV code. With the code enabled, you must enter your CHV code each time you switch the phone on. Consequently, any person who does not have the code cannot use your phone without your approval.

Disable CHV: deactivates use of the CHV code. Any person can access the data in your UIM card.

Change CHV: allows you to change the CHV code as your preference. Enter a new code up to 8 digits. Then, enter the new code again when prompted for confirmation.

Messages

Your phone can receive voicemail notification, text messages, and pages. Also, your phone can send text messages and pages if your system supplier provides this service.

Incoming messages are received even when your phone is in Lock mode. However, the screen will not display information about the message. To access the message, or to return a call other than an emergency or priority number, unlock the phone to proceed.

If you are on a conversation, and you receive an incoming message, your phone automatically mutes the ringer (this is to avoid ringing in your ear while you are trying to converse).

To enter the Message menu, press ⌀ in Standby mode.

New Message

OK-1

You can create short text messages to send to other mobile numbers.

1. Enter the phone number, and press ⌀ .

   You can recall the phone number from your Phonebook or enter an e-mail address to send a web message. Press ⌀ and select **e-mail** to enter e-mail address or **Phonebook** to recall a number from Phonebook.

2. Press ✑ when the Message field is active. A separate Enter message screen appears. Enter the desired message content. For further information on how to enter text, see page xx.

3. If necessary, press ➡ to go to the Call back number field to change the number to which the recipient of your message will call back to send you a reply message and press ✑. Enter the desired number and press ⌀.

   The call back number is set to your phone number by default.

4. If necessary, press ➡ to go to the **Options** field to set the message options and press ✑. Press ≡ or ➡ to move through the options and ❨ or ❩ to change the setting of the selected option.

   A brief description on the selected option and its current setting displays at the bottom of the screen. The following options are available:

   • **Message Priority:** allows you to set the priority level of the message. **Normal**, **Interactive**, **Urgent** and **Emergency** are available.

   • **Privacy**: allows you to keep your message from accessing by unauthorized person. If you have set this option to **Restricted**, **Confidential**, or **Secret**, the recipient must enter his/her lock code to read your message.

   • **Validity Period**: allows you to the length of time for which your message will be stored at the message center while attempts are made to deliver it to the recipient.

   • **Deferred Delivery**: allows you to select when the message is delivered.

   • **Delivery Acknowledge**: allows you to activate or deactivate the delivery acknowledgement feature. When this is activated (set to **Request Ack**), the network informs you whether your message has been read or not by the recipient.

   • **Save sent message**: allows you to set whether you want the transmitted message to be saved in Outbox or not. Selecting **Save Outbox** will save the message after transmission.

5. When the setting is completed, press ➡ to highlight **Confirm** to use the currently selected settings for this message and press ✑.

   If you want to cancel your settings and use the default setting, select **Revert**.

6. Press ➡ to move to the **Done** field and press ✑. The display asks you to select an action for the message.

7. Press ⌨SEND to send the message without storing.

   Press ⌀ to save the message in Outbox.

   Press ⌨CLR to go back to edit the message.

   Press ⌨END to discard the message and return to Standby mode.

Using Canned Messages

When entering the message contents, you can use the messages pre-stored in your phone.

1. Press 🖊 while entering message.

2. Select **Canned** from the pop up list and press 🖋 .

3. Select desired one from the canned messages using ➡ or ➡ and press 🖋 .

4. The selected message appears in display. Edit it or add more text to it as needed for sending.

Inbox ~~Tentative~~ *OK-2*

Your phone can store up to 95 messages until the total length of the message exceeds 16 kbytes. This storage capacity includes all message types: numeric page, VMN (Voicemail Notification), text and browser message. If your message memory gets full, the screen displays a text notification and rejects additional incoming messages until you erase the stored messages.

Note: When the phone receives a message, an alert sounds, a text notification with the call back number and memory used for the message displays. Press 🖋 (or 🔘) to view (or listen to) the message.

Voice

Press ➡ or ➡ to scroll to the desired of the mails in the list and press 🔘. The phone plays back the voice mail.

Text

Press ➡ or ➡ to scroll to the desired one of the messages in the list and press 🖋 . The phone displays the message contents. If necessary, press ➡ or ➡ to scan through the contents.

While viewing a message, press 🖊 to access the following options.

Call back: places a voice call to the call back number of the message.

Forward: allows you to send the message to the other person.

Save addr: allows you to save the sender's phone number into your Phonebook. For further information on storing a number, see page xx.

Erase: erases the message.

Detail: displays detailed information on the messages, such as the date and time when the message was delivered from the sender's phone and received by your phone and the used language. If needed, press ➡ or ➡ to scan through the contents.

Reply: allows you to send a reply message to the sender.

Save cb#: allows you to save the call back number of the message.

Web

Press ⭤ or ⭥ to scroll to the desired one of the messages in the list and press 🖉 . The phone start the Web browser displays the message contents. If necessary, press ⭤ or ⭥ to scan through the contents.

While viewing a message, press 🖉 to access the following options.

Outbox   *OK-3*

Your phone can store up to 95 transmitted messages until the total length of the message exceeds 16 kbytes. You can review or resend the messages stored in Outbox, if needed.

When you enter the Outbox menu, you can see the message list. The marker **!** next to the message means that it is urgent.

Press ⭤ or ⭥ to scroll to the desired message and press 🖉 to review the message. The display shows the date and time when the message is created, the designated number (and name if saved in Phonebook) and message contents.

If necessary, press ⭤ or ⭥ to scan through the contents.

While reviewing a message, press 🖉 to access the following options.

Call: places a voice call to the designated number.

Re-send: allows you to resend the message. For further information on sending a message, see page xx.

Save addr: allows to save the designated number into your Phonebook. For further information on storing a number, see page xx.

Erase: erases the message from Outbox.

Detail: displays detailed information on the message, such as the date and time when the message is transmitted or created and the option settings. If needed, press ⬓ or ⬒ to display more contents.

MSG Setup
OK-4

Using this menu, you can set up the various options for the message. Also, you can erase all incoming or outgoing messages.

General

You can set up the following options for incoming messages.

Scroll Timer: If an incoming message is too long for the display, the phone displays it by scrolling the screen automatically. You can set the time when the phone scrolls to the next screen. Selecting **Off** does not scroll automatically. You should scroll to next screen manually using ⬓ or ⬒.

Msg.Remind: When a message is received, the phone alerts you by the selected ring. You can set how often you want to be alerted. Selecting **Off** does not alerts you the incoming message, but the New Message icon ✉ will appear.

New Message

You can set up the following options as default setting when creating a new message. For further information on the options, see page xx.

Call Back #: You can set the call back number. Your phone number is preset at factory.

Save Message: You can set the Save sent message option to **On** or **Off**.

Entry Method: You can select the text input mode between **Word** and **Alphabet** (ABC).

Delivery Ack: You can set the Delivery Acknowledge option to **Yes** or **No**.

Canned Msg.: Your phone has 10 preset messages for use when creating a message. You can edit the preset message as needed. Press ⬓ or ⬒ to scan through the message list, and when the desired one is highlighted, press ✎ to edit it. For further information on entering text, see page xx.

Erase

Using this menu option, you can erase all messages in each of three message boxes; Voice mail box, Inbox and Outbox.
You can also erase all of the messages at one time.

Web

Tentative

Your phone comes equipped with a Web browser which makes it possible for you to use the Wireless Web.

The Web browser allows you to access certain information such as stock quotes and weather via the Internet. Browsing the web via the phone is not like using your home computer. Site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed most graphics.

Each time you start the Web browser, the phone will connect to the PCS Nationwide Network as necessary, and the service indicator icon ( ) will appear on the display. Any time the service indicator icon is visible on the display, your phone is connected to the PCS Nationwide Network and you will be billed accordingly. Rates will vary according to your billing plan.

The Web browser will end the connection after a certain period of network inactivity and will automatically re-connect as necessary. For this reason, you may find that you are billed for several network connections within a single Web browser session. This is normal and is designed to minimize your bill.

To enter the Web menu, press ⬬ in Standby mode.

Launching the Web Browser

Note: The first time you use the web browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

1. When **Get In Web** is highlighted, press ⬬ to start the Web browser.

   A reminder of the charge depending on your setting in the **Prompt** menu option (see page xx) may appear. Answer **YES** or **NO** by pressing ⬬ or ⬬ respectively.

2. Once connected, the Home page (or the last page visited) will be displayed. To access the Home menu page from any other menu in the web browser, press and hold ⬬ .
   An example of a Home Page is shown below:

   ```
   1.▶My VZW
   2. Websites
   3. Hopspots
   4. Portals
   5. Customer Care
   6. Shopping
   7. Messaging
   8. GoTo Bookmark
   ```

What appears on the display when accessing the web browser is dependent on the service provider content. To view additional contents, press ⬬ .

Note: You can quickly access the web browser menu by pressing and holding down ⬤ in Standby mode.

Exiting the Web Browser

Simply press ⬤ or close the phone to exit the Web menu.

If your phone asks if you want to exit the browser depending on your setting in the **Prompt** menu option (**3-2**), answer **YES** pressing ⬤ .

Using the Soft Keys

At the bottom of the browser display is a solid bar which contains browser commands. ⬤ or ⬤ below the solid bar are used to execute the commands. These two keys are called "Soft keys" because their function changes depending on where you are in the web browser.

Navigating the Web

When you use the web browser, some keys on your phone operate differently than on a normal phone call. These keys are explained below.

The browser presents on-screen items in one of the following ways:

• Text or numeric input
• Links (embedded in content)
• Numbered options (some options may not be numbered)
• Simple text

You can act on the options or links by making use of the soft keys. The soft keys (⬤ and ⬤) are located below the bottom line of the display.

Here's how the keys work in the web browser:

⬤ Use to scroll through the browser options The currently selected option is indicated by "►". You can also use these keys to move the cursor when editing text.

⬤ This is the left soft key. For more information, see "Using the Soft Keys" on page xx. This key is also used to access the secondary options or a menu of secondary options.

⬤ This is the right soft key. For more information, see "Using the Soft Keys" on page xx. This key is also used to primarily for selecting the highlighted item.

⬤ • Backs you up in the browser. Pressing it once backs you up one page. Pressing and holding it backs you up to the Home page.

• Clears out entered text or numbers. When entering numbers or text, press this key to clear the last number, letter, or symbol. Press and hold the key to completely clear the input field.

⬤ Use to exit the Web browser and return the phone to Standby mode.

If the items on a page are numbered, you can use these keys to select them.

Use to change the case in a text entry.

Moves the cursor left in a text entry to insert a space.

Allows you to scroll up or down by a page. Press and hold the up portion for one second to back up one level in the browser. Press and hold the down portion for one second to go to your home page.

Entering Text, Numbers or Symbols

When you are prompted to enter text, the current text entry method will appear on the right soft key as **Word**, **ABC**, **Symbol** or **123**. To change the input mode, use the right soft key. For further information on entering text, see page xx.

Using the Links

Links have several purposes, including jumping to a different page, jumping to a different site, or even initiating a phone call from some sites. Links are shown inside of brackets (**[ ]**) , and you can normally use the left soft key to select a link when it is highlighted.

Initializing a Call from the Web browser

You may initiate a phone call from the Web browser if the site you are using supports this feature (the phone number may be highlighted and the left soft key will appear as "Call."). Pressing the **Call** soft key will dial the number In most cases, you can also use to call the number. The internet connection will be terminated when you initiate the call. After you end the call, your phone returns to Standby mode.

Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

To Create a Bookmark:

1. Go to the page that you want to mark, and press and hold . A list of options appears.

2. Select **Mark Site**.

3. If the page has a title, it will be automatically used for the name of the bookmark. You can also change the bookmark name. Selecting **Save** will save the name and add the page to your list of bookmarks.

4. A message will appear confirming that the bookmark was added to the list. Select **OK** to return to the screen that you marked to resume navigation within the Web browser. The new bookmark is added to the bottom of your bookmark list.

To Find a Bookmark:

From the home page, select **Bookmarks** and select the bookmark you want by pressing ⬇ or ⬆ and press ✎ .

Or, from the home page, press and hold the number associated with the bookmark in the bookmark list.

Setting a Web Prompt

Your phone can be set to prompt you to confirm your selection each time you start or end a MiniBrowser session. Depending on this setting, your phone display a reminder that you will be billed for the connection time when accessing the wireless web and a confirming message when exiting the browser. You have the option to change when the prompt is displayed.

1. Press ⬇ or ⬆ to scroll to **Prompt**, and press ✎ . The following options are available:

   • **To Start** : The default setting. You will see the prompt when you enter the browser, but not when you exit it.

   • **None:** You will never see the prompt.

   • **Both:** You will be prompted when you enter or exit the browser.

   • **To End:** You will see the prompt only when you exit the browser.

2. Find the desired option using ⬇ or ⬆ and press ✎ .

Reference Information

Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

Precautions When Using Batteries

• Never use any charger or battery that is damaged in any way.

• Use the battery only for its intended purpose.

• If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

• Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

• If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.

- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Safety Information

Road Safety

- Remember, road safety always comes first!

- Do not use a hand-held phone while driving a vehicle. Always park the vehicle before having a conversation.

- Make sure that the phone is stored safely and will not fall or be broken in the event of a collision or emergency stop.

- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

- Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the unit.

- Electronic fuel injection, anti-skid braking, electronic cruise control or any other electronic systems may malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating correctly.

Operating Environment

• Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

• Operation of any radio transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.

• As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.

• The effect of the transmit/duty cycle on hearing aids and pacemakers is being investigated, and there is potential hazard associated with use close to such personal medical electronic devices.

• Always switch off the phone when at a refuelling point (service station). You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

• Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

• Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill the warranty obligations and enjoy this product for many years.

• Keep the phone and all its parts and accessories out of the reach of small children.

• Keep the phone dry. Precipitation, humidity and liquids containing minerals will corrode the electronic circuits.

• Do not use or store the phone in dusty, dirty areas as its components may be damaged.

• Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.

• Do not store the phone in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage the electronic circuits.

- Do not attempt to open the phone. Non-expert handling of the phone may damage it.

- Do not drop or knock the phone. Rough handling may damage the internal circuits.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.

- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

Emergency Calls

Important! This phone, like any cellular phone, uses radio signals, cellular and landline networks, as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely on any cellular phone for essential communications (medical emergencies for example).

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

Base Station - The fixed radio transmitter/receiver that maintains communications with mobile radio telephones within a given area. (Typically called a cell or cell site)

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversion is digitized and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

DTMF - (Dual-tone Modulated Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.

EVRC - (Enhanced Variable Rate Codec) EVRC is a new global standard for compressing and decompressing voice signals. EVRC uses a lower bit rate (the number of bits sent per second) than existing CDMA vocoders, while providing significant improvements in voice quality. This technology enables your phone to provide superb voice quality while benefiting from the ability to process more cellular voice calls using less bandwidth than the voice codecs in CDMA networks today.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).

LCD -(Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Vocoder - Voice Coder. A device used to convert speech into digital signals.

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.