SAMSUNG

PORTABLE CELLULAR
TELEPHONE
SPH-A250
User's Manual

SAMSUNG
ELECTRONICS

Draft version (2001.1.13)

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 0.7 inches (1.8cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.7 inches (1.8cm) 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 0.7 inches (1.8cm) 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

SAR Information & FCC ID Labeling

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement know as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is XXXXX and when worn on the body, as described in this user guide, is XXXXX . (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). **[Labeling Committee note: if applicable, if body-worn SARs are required]**. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID XXX XXXX.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com (see note).

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Note: The URL http://phonefacts.net may be used in place of http://www.wow-com for direct access to SAR information.

Contents

Your Phone

Getting Started

Call Functions

Contents *(continued...)*

Reference Information

Safety Precautions and Important Notices

Read these simple guidelines. Failure to comply with these guidelines 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

Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital

Follow any regulations or rules. Switch the 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 mobile phone may be subject to radio interference, which may affect their performance.

Use qualified service

Only qualified service personnel must install or repair cellular equipment.

Use sensibly

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

IMPORTANT! Use only accessories approved by the phone manufacturer. This apparatus is intended for use when supplied with power from SAMSUNG approved Travel adapter and Desktop charger. The use of any other types 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 plug, not the cord.
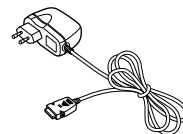
Your Phone

Unpacking

Your package contains the following items.

Handset

Travel Charger

Battery

Hand Strap

User's Manual

In addition, you can obtain the accessories for your phone from your local SAMSUNG dealer. For information on the accessories, see page xx.
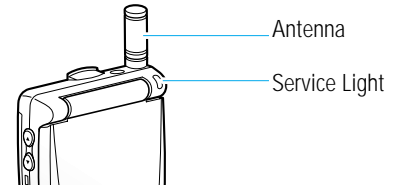
Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.

With the phone open

- Earpiece
- Display
- Navigation/ Hot key
- Menu key
- OK/Messages key
- Volume keys
- End key
- Talk key
- Clear key
- Ear-microphone jack
- Alphanumeric keys
- Microphone

With the phone close

- Antenna
- Service Light

| Keys	Functions
(MENU)	Enters the menu facility. Also, scrolls through the menu options.
(OK/✉)	*In the menu facility*, confirms the selection and input. *In Standby mode*, enters the Message menu.
	In the menu facility, scrolls through the menu options and phone book memory, and selects a menu function or stores information that you have entered. *In Standby mode*, enters the following menus when pressed depending on the direction.

- ❞ : Find Name in Phone Book
- : Find Entry in Phone Book
- ¤ : MiniBrowser
- ˆ : Calendar

8

9

Keys	Functions
(TALK)	Makes or answers a call. *In Standby mode*, recalls the last number dialed.
(C)	Deletes characters from the display. *In the menu facility*, returns to the previous menu level.
(END/ω)	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.
(0 Next) *l* (9 WXYZ)	Enters numbers, letters and some special characters.
(✳ Shift) (# Space)	Use these keys for various purpose in different functions.
(△ ▽)	(on the side of the phone) *In Standby mode*, adjust the ringer volume. *During a call*, adjust the earpiece volume.

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:
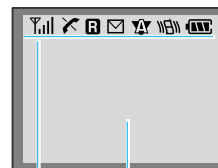
Icons   Text and graphic area

𝖳ₐₗₗ	**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 indicator**: Appears when you are outside a service area. When it appears, you cannot make or receive calls. Wait a little while for a signal or move into an open area.
🄡	**Roaming:** Appears When you are out of your home area and have registered with a different network (when travelling in other countries, for example).

⊠ **New Message**: Appears when a new text message has been received.

⚥ **Analog mode**: Indicates your phone is operating in analog mode.

〾 **Vibrator on**: Appears when a vibrate mode is on. An incoming call will vibrate the phone rather than ring it.

▦ **Battery strength**: Shows the level of your battery. The more bars you see, the more power you have left.
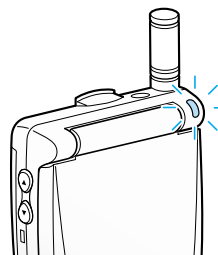
Service light

The service light is at the top right 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.

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 Phone setting menu. The backlight remains on at all times when the phone is connected to a Hands-Free Car Kit (optional).

To specify the length of time for which the backlight is active, set the Backlight menu option (**Menu 7.2.1**); see page xx for further details.
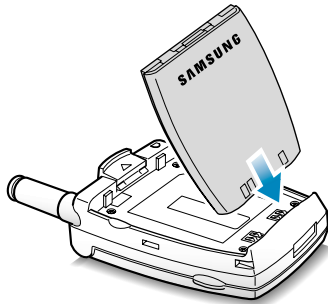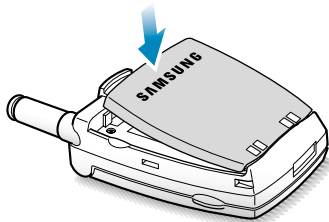
Getting Started

Installing Battery

To Install the Battery

1. Insert the tab on the base of the battery into the notches on the base of the phone, as shown.
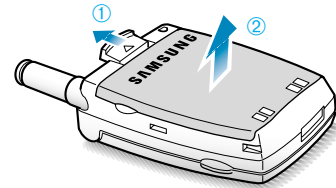

2. Push the battery down until it snaps into place.

To Remove the Battery

1. If necessary, switch off the phone by holding down (END/⊙) .

2. Press and hold the catch on the back of the phone (①), then lift it away (②).


Charging a Battery

Your phone is powered by a rechargeable Li-ion battery.
A travel charger is provided with your phone. Use only Samsung-approved batteries and chargers. Ask you local SAMSUNG dealer for further details.
The phone can be used while the battery is charging.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 180 minutes.

1. With the battery in position on the phone, connect the lead from the travel charger to the jack on the bottom of the phone.
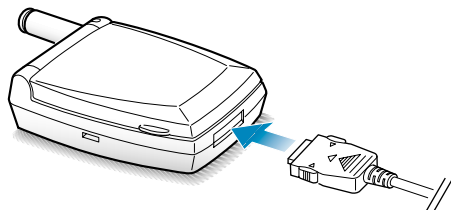

2. Plug the power cord of the charger into a standard wall outlet.

3. When charging finished (the indicator on the connector of the charger turns green), disconnect the charger from the power outlet and remove it from the phone by squeezing the two tabs on the lead(①) and unplug the lead (②).
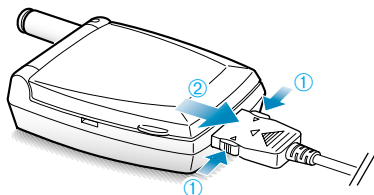
Low Battery Indicator

When the battery charge level is almost empty and only a few minutes of talk time remain, an empty battery icon (no bars displayed) blinks in the upper right corner of the screen. You will hear a warning tone.
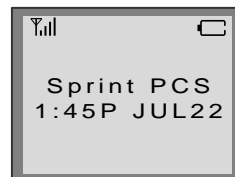

When the battery becomes too weak for the phone to operate, it switches off automatically.

Switching the Phone On/Off

1. Open the phone.

2. Press (END/⌀) to switch the phone on.

The service light of the phone flashes, and an alert sounds. When the system locates services, the greeting message displays along with the date and time. You can now place and receive calls.

```
Yıll                    ▥

Sprint PCS
1:45P JUL22
```
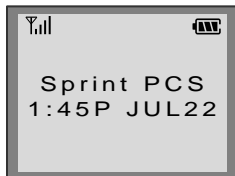
- If the phone is out of service, the ✗ icon appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.
- If your phone is locked, '**- Locked -**' displays. Press (MENU), and enter the four-digit lock code to unlock the phone.

3. When you wish to switch the phone off, press and hold down (END/⌀) until the power off animation begins to play.

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

Note: Your phone has a built-in antenna. As with any other radio-transmitting device, do not touch the antenna 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.

Your Phone's Modes

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 (END/⌀). When your phone is in Standby mode, you will typically see the greeting message and current date and time. If you enter a phone number, you can press (TALK) to dial it, or press (OK/☰) to save it in the internal phone book.

Press (END/⌀) at any time to return to Standby mode. Be careful; if you are on a call when you press (END/⌀), you will return to Standby mode, but it also disconnects the call. Press (C) 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 (MENU) gives you a list of options referred to as "In-Use 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 is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when your phone is operating in Power Save Mode.

Call Functions

Making a Call

In Standby mode, enter the area code and phone number, and press (TALK). The phone places the call to the entered phone number.

When entering the phone number, pressing (TALK) allows you to access to the Dial options.

Talk: dials the phone number.
Save: allows you save the phone number you entered in the Phone Book.
Find: allows you to find the phone number from the Phone Book or enables network dialing. For details on network dialing, see page xx.
Hard Pause: allows you to enter a Hard pause. See page xx for details on pause dialing.
2sec Pause: allows you to enter a 2-second pause. See page xx for details on pause dialing.

Notes:
• When you enter the numbers used for memory location (1 through 229), **Speed Dial** option is available. See page xx for details on speed dialing.
• When you enter the four digits, **4-Digit Dial** option is available.Using this option, you can find and dial the stored number using the four digits. See page xx for details on 4-digit dialing.

Correcting the Number

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

Ending a Call

When you have finished your call, briefly press (END/⨀). The call time (length of the call) displays with the name and number of the called party (if available). Or, close the phone.

If the number is no stored in your Phone Book, your phone prompts you to save the number. Press ⊙ to save the number. If you do nothing, the phone automatically returns to Standby mode after about ten seconds.

Emergency Dialing

You can place calls to 911, *911, #911 or one of the three numbers in your special number list even if your phone is locked. For more details on special numbers, see page xx.

To dial emergency number in Lock mode, enter the desired one of the emergency numbers and press (TALK).

Prepend Dialing

The **Prepend** option enables you to add up to three digits, such as area codes and network feature activation codes, to a phone number. You can prepend an existing entry in the Phone Book or Call Logs before dialing.

To prepend existing phone numbers in the Phone Book or Call Logs:

1. Access the phone number entry.

2. When the desired phone number displays, press (MENU) to access the options.

3. Press (4GHI) to select **Prepend**, or press ⌃ or ⌄ to scroll to the Prepend option and press the key.

4. Enter the area code or feature code.

5. When the correct number displays, press (TALK) to dial the number.

Redialing Last Number

To redial the last number you called, press (TALK) twice.

The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down (C) for more than one second.

2. Press (TALK) to access the list of last-dialed number.

3. Press (▲) or (▼) to scroll through the Redial list until the required number is displayed. Then press (TALK) to dial the number displayed.

Speed Dialing from Phone Book Memory

Once you have stored phone numbers in the phone book memory (001 through 229), you can dial them easily whenever you want. See page xx for details on storing phone numbers.

One-Touch Dial

Memory locations 001 through 009 are special one-touch locations. Press and hold the last digit of the memory location containing the number to be dialed.

For example: Location no. 009
        Press (9 WXYZ) and hold.

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

Two-Touch Dial

Memory locations 010 through 099 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 (2 ABC) briefly and hold down (3 DEF).

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

Three-Touch Dial

Memory locations 100 through 229 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. 229
        Press (2 ABC) and (2 ABC) briefly and hold down (9 WXYZ) .

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

Note: When several numbers are saved in one location, only the phone number which is specified with **Set Speed Dial** option will be automatically dialed(The first-saved number is automatically set as the speed dial number for the location.). For details, refer to **Options** under **Phone Book** menu on 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 Phone Book, 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 ⒯.

• 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 Phone Book Entry

To store a number in your Phone Book 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 ④ or ⑤ to enter the desired pause.

   • Press ④ for **Hard Pause**. The letter "p" displays in the number, meaning that a hard pause will occur at that point in the dialing sequence.
   • Press ⑤ for **2sec 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 Phone Book as you normally would by pressing ⒪ and following the screen prompts.

Pause Dialing from a Stored Phone Book Entry

1. Dial the number from the Phone Book.

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" flashed 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 ④⁰ʰⁱ for **Hard Pause**. The phone displays a "p" meaning a hard pause. Enter the number to be sent after the pause and then press ⓣᴬᴸᴷ. After connecting, press ⓣᴬᴸᴷ again to transmit the additional number.

   Press ⑤ᴶᴷᴸ for **2sec Pause**. The phone displays "T" meaning a timed pause. When prompted, Enter the number to be sent after the pause and then press ⓣᴬᴸᴷ. The phone transmit the number that follows the pause two seconds after connection.

Network Dialing (????)

You can enter a short string of digits to to find network number which is used for the more than one phones (if supported by your provider) and dial. This feature enables you to call to multiple phone connected to a network at a time.

1. Dial the desired digits (1, 2, 3, or 4 digits).

2. Press ⓜ to display the Dial options.

3. Press ②ᴬᴮᶜ for the **Find** option.

4. Your phone finds the phone numbers containing the digits you entered or network number through the Phone Book memory. Press ⌃ or ⌄ to find the network number, and press ⓣᴬᴸᴷ to dial.

Four-Digit Dialing

This feature allows you to enter any four consecutive digits of a stored phone number, have your phone remember the rest of the number and then dial the entire number for you. This feature is convenient if you have the number memorized, but you have forgotten what Phone Book location the number is stored in.

1. Enter any four digits of a phone number that you have stored in Phone Book.

2. Press ⓣᴬᴸᴷ. The phone automatically dials the entire number.

   You can also press ⓜ, scroll to **4-Digit Dial** by pressing ⌃ or ⌄.

Note: If your Phone Book has more than one phone number stored that contains the four digits, "Wait" displays and all numbers containing those four digits will be listed. Scroll through the listed phone numbers using ⊙ to select the desired number.

Answering a Call

When somebody calls you, the phone rings and the phone icon in the middle of the screen flashes.

```
┌─────────────────────────┐
│ Y.ıll              ▭     │          Caller's name or
│                         │─────     number
│        nnnn             │
│       (( ☎ ))           │
│                         │
└─────────────────────────┘
```
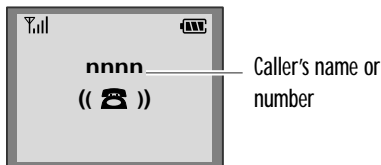
If the caller can be identified, the caller's phone number (or name if stored in your phone book) is displayed. If the caller cannot be identified, only the phone icon flashes.

1. To answer a call, press ⒯ if the phone is already open.

   If the the **Call Answer** menu (**Menu 7.5**) is set to **Open(???)**, you can answer a call simply by opening the phone.

   If the the **Call Answer** menu is set to **Any Key**, you can answer a call by pressing any key except ⒠ . For details on the Call Answer menu, refer to page xx.

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

Note: You can answer a call while using the Phone Book or menu features. Your setting will be canceled.

Caller ID Display

This feature tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Phone Book, the corresponding name is also displayed. If you call someone who has this feature, your phone number will be displayed on the other party's phone.

Note: You may need to contact your service provider to setup the Caller ID service.

To block your phone number from being displayed for a particular outgoing call, just follow these steps:

1. Press ⒮, ⒢, ⒬.

2. Enter the phone number, and then press ⒯.

To activate the Block Own Number feature permanently, call customer care by pressing ⒮, ⒜, ⒯ .

To temporarily unblock the number;

1. Press ⒮, ⒰, ⒜.

2. Enter the phone number, and then press ⒯.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and service is available. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, a Missed Call Log entry is created, and the screen displays the phone number of the most recent missed call.

Press (TALK) to call the displayed number, or (OK) to save the number in Phone Book.

To view the missed calls, refer to "Missed" (**Menu 1.3**) on page xx.

Dropped Calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and "Signal Faded" displays.

Press (END) to clear the message and return to Standby mode.

Failed Calls

A failed call can occur if your phone is out of calling range or the network is temporarily busy. Your phone responds to a failed call by displaying an appropriate message: "Call Failed Out of Range" or "Call Failed Network Busy".

Press (END) to clear the message and return to Standby mode.

In-Use Menu Options

Your phone provides a number of functions that you can use during a call. You cannot utilize all of these functions at all times. Many of the In-Use Menu Options are network services.

Press (MENU) during a call to choose some or all of the following In-Use Menu options:

(Un)Mute: 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.

3-Way Call: allows you to conduct conference calls with two separate parties at the same time. Refer to page xx for more details.

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

Messages: allows you to access the **Messages** menu (**Menu 3**).

Phone Book: allows you to access the **Phone Book** menu (**Menu 2**).

Calendar: allows you to access the **Calendar** menu (**Menu 5**).

Call Waiting

This feature allows you to receive a second call during conversation. When a waiting call comes, the incoming call alert sounds, when set, and a text notification displays. Contact your service provider to activate the Call Waiting feature.

To answer a Call Waiting call:

1. To answer the call, Press ⒯ᴬᴸᴷ . The phone connects the calling party, and places the current party on hold.

2. Press ⒯ᴬᴸᴷ again to switch between two parties.

Note: If you do not respond to a Call Waiting notification, the phone logs the call in the Missed Calls Log and then sends the call to Voicemail.

To disable Call Waiting on your next call:

Press ✳Shift, 7PQRS, 0Next before dialing the number. When you complete your call and hang up, the Call Waiting feature automatically turns back on.

Call Forwarding

This feature allows you to forward all of your incoming calls to another phone number, even if your phone is switched off. When Call Forwarding is used, you can still make calls from your phone. Contact your service provider to activate the Call Forwarding feature.

To use Call Forwarding:

1. Press ✳Shift, 7PQRS, 2ABC.

2. Enter the phone number (1 + area code + phon number) to which your calls should be forwarded.

3. Press ⒯ᴬᴸᴷ . You will hear a tone (or message) that confirms you've enabled Call Waiting.

To disable Call Forwarding:

Press ✳Shift, 7PQRS, 2ABC, 0Next, ⒯ᴬᴸᴷ . Once again you will hear a tone (or message) that confirms Call Waiting is disabled.

Three-Way Calling

This feature allows you to talk with two different person at the same time. You will be charged normal air time rates for each of the two calls and your phone records each called party in the Outgoing Call log. Contact your service provider to activate the Three-Way Calling feature.

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 (TALK) . The phone places the other party on hold.

   You can also press (MENU) and scroll to **Three-Way Calling** using ☝ or ☟ .

2. Enter the phone number for the third party, and then press (TALK) again.

3. When the third party answers, press (TALK) again to begin your three-way call.

Using the Display Notepad

Your phone has a really convenient feature for entering a phone number while on a call as if it were a note pad.

Say you are talking to a friend who wants to give you a phone number. Just enter the number using the keypad, and the number appears on the display. Then, when you hang up, the number remains in the display so that you can press (TALK) to be immediately connected to that party, or press (OK/☰) and follow the prompts to store the number into your phone book.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone. Press (△) to increase and (▽) to decrease the volume.
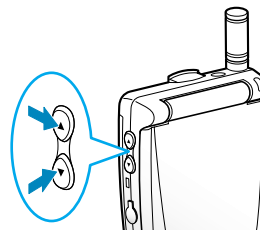
In Standby mode, you can adjust the ringer volume using these keys. You can set ringer to **Off**, **Vibrate**, **One Beep**, **Low**, **Med** or **High**. For details on the ringer volume, see page xx.

Entering Text

When using your phone, you will need to enter text at many times. For example, when storing a name in the Phone Book, creating your personal greeting 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;

• **T9(English)**: 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 ⑤Ɐᴷ could be J,K or L. The T9(English) mode automatically compares your key presses to an internal linguistic database to determine the correct word. The T9(English) mode requires far fewer keystrokes than the traditional multi-tap method, Alpha mode.

• **Alpha**: 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 special characters.

• **Number**: 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 mode indicator

You can change between **T9(English)** and **Alpha** mode to enter words. To include a symbol or number(s) between characters, **Symbol** and **Number** modes are also available. To change to another text input mode;

1. Press ⓜ.
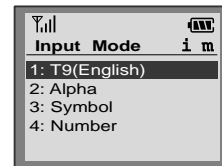
2. Scroll to the desired mode by pressing ⌃ or ⌄ .

3. To select the mode highlighted, press (OK/目).

4. You will find the selected text input mode indicator in the bottom right corner of the display:

- T9(English) mode → T9WORD, T9Word, or T9word
- Alpha mode → ABC, Abc, or abc
- Number mode → 123
- If you select Symbol mode, symbol input screen appears.

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

Note: If you want to exit the menu without changing to a new mode, press (C).

T9(English) 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 handset just once per desired letter. For example, to enter 'hello', press (4 GHI), (3 DEF), (5 JKL), (5 JKL), (6 MNO).

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 (# Space).

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

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

Smart Punctuations

Period, hyphen, and apostrophe are available on (1 .-). T9 applies rules of grammar to insert the correct punctuation. Notice that (1 .-) is used twice in this example to display two punctuation marks:

(5 JKL)	(3 DEF)	(8 TUV)	(1 .-)	(7 PQRS)	(# Space)	(3 DEF)	(2 ABC)	(8 TUV)	(1 .-)	(# Space)
l	e	t	'	s		e	a	t	.	

Including a Number

You can include a number between letters without exiting the T9 input mode. Press and hold the desired number key.

Changing Case

Your phone offers three shift states;
- T9 Word (initial letter is capitalized)
- T9 WORD (all letters capitalized)
- T9 word (all letters lower case)

Press ✱Shift one or more times to display the appropriate shift indicator, and begin typing normally.

Y.ull 📶

Enter Name

TREND|

OK : Save

T9 **WORD**

Shift indicator

Scrolling

- To move the cursor left or right through your text message, press (◀◦ or ◦▶). To move the cursor up or down through your text message, press ▲ or ▼ .
- To scroll through alternate word choices for the keys you have entered, press 0Next .

Clearing Letters and Words

Press C one or more times to clear letters to the left. Press and hold C to erase the whole words.

Alpha Mode

When typing in **Alpha** 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 2ABC three times quickly to display the letter "C" , 5JKL 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	.	,	'	&	-	@
2ABC	A	B	C	2			
3DEF	D	E	F	3			
4 GHI	G	H	I	4			
5 JKL	J	K	L	5			
6 MNO	M	N	O	6			
7PQRS	P	Q	R	S	7		
8 TUV	T	U	V	8			
9 WXYZ	W	X	Y	Z	9		
0 Next	0						

(Caps Lock mode)

To shift the case of the next letter(s) that you type, press ⊛Shift one or more times. There are three shift states: Lower Case is indicated by <u>abc</u> in the right corner of the display, Initial Capital is <u>Abc</u>, and Capitals Lock is <u>ABC</u>.

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 then select 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 T9 mode.

- Press #Space to insert a space.
- To move the cursor left or right through your text message, press ◀ or ▶ . To move the cursor left or right through your text message, press ▲ or ▼ .
- Press ⊂ one or more times to clear letters to the left. Press and hold ⊂ to erase the whole words.

Symbol Mode

Symbol mode enables you enter symbols into a text message.


```
Y.ill                    ▥
Set1
        123456789
       , .-?':@()

Select number
⇒: Next
```
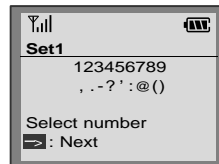
Press ◀ or ▶ to display more symbols in Set 2 or Set 3.

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

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to 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 menu facility. Scroll to the desired main menu, e.g. **Setup/Tool**, by pressing ⬆ or ⬇ . Press ⓞ to enter the selected menu.

2. If the menu contains any submenus: for example, **Display**, scroll to find the one you want by pressing ⬆ or ⬇ . Press ⓞ to enter the submenu.

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

3. Press ⬆ or ⬇ to scroll to the setting of your choice. Press ⓞ to confirm the chosen setting.

Notes:
• You can return the previous menu level by pressing ⓒ .
• 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 ⓜ .

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

   Example: Accessing the **Contrast** menu

   Press ⓜ, and key in ⑧, ②, ③.

   MENU for entering the menu facility, **8** for Setup/Tool, **2** for Display, **3** for Contrast.

3. Press ⬆ or ⬇ to scroll to the desired setting, and press ⓞ to confirm the chosen setting.

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

List of the Menu Functions

The list shows the menu structure available and
indicates the:
- Number assigned to each option
- Page on which you can find a description of each
feature

1. Calls

Page xx

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

2. Phone Book

Page xx

- 2-1: Find Name
- 2-2: Add New Entry
- 2-3: My Phone#
- 2-4: Find Entry
- 2-5: Services
  - 2-5-1: Customer Care
  - 2-5-2: Dir Assist
  - 2-5-3: Prepaid SVC
  - 2-5-4: Road Assist

3. Messages

Page xx

- 3-1: Voicemail
  - 3-1-1: Listen
  - 3-1-2: Reset
- 3-2: Page/Text
- 3-3: Browser Msg
- 3-4: Erase
  - 3-4-1: Page/Text
  - 3-4-2: BrowserMsg

4. Roaming

Page xx

- 4-1: Set Mode
- 4-2: Call Guard

5. Calendar

Page xx

- 5-1: Today
- 5-2: Month View
- 5-3: Jump To Date
- 5-4: To Do List
- 5-5: Countdown
- 5-6: Alarm Clock
- 5-7: World Clock

6. MiniBrowser

Page xx

7. Setup/Tool

Page xx

→ 7-1: Sounds
→ 7-1-1: Ringer Volume
→ 7-1-2: Ringer Type
→ 7-1-3: Key Beep
→ 7-1-4: Tone Length
→ 7-1-5: Alerts
→ 7-1-6: Roam Ringer
→ 7-2: Display
→ 7-2-1: Backlight
→ 7-2-2: Greeting
→ 7-2-3: Contrast
→ 7-2-4: Version
→ 7-3: Data/Fax In
→ 7-4: Security
→ 7-4-1: Lock Phone
→ 7-4-2: Change Lock
→ 7-4-3: Special #
→ 7-4-4: ErasePhonebook
→ 7-4-5: Reset Phone
→ 7-5: Call Answer
→ 7-6: Auto Answer
→ 7-7: MiniBrowser
→ 7-8: Language
→ 7-9: Calculator

Calls

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

Outgoing   *Menu 1.1*

The phone stores up to 10 calls you dialed. When you access this menu, the list of outgoing calls are displayed.
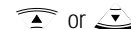
To...	Press...
Select an entry	⌃ or ⌄
Dial the selected entry	(TALK)
View the date and time at which the call was dialed and use option features	(OK)

When you press (OK), you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name displays.

Press (MENU) to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Save** if the phone number is not
currently stored in the Phone Book):
shows Phone Book entry or stores the
number in the Phone Book.

Prepend: allows to add an area code or feature
code to the number before calling or
saving the number.

Incoming   *Menu 1.2*

This option lets you view the last 10 calls placed to
your phone. When you access this menu, the list of
incoming calls are displayed.

To...	**Press...**
Select an entry	⌃ or ⌄
Dial the selected entry	(TALK)
View the date and time at which the call was received and use option features	(OK/🗐)
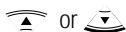
When you press (OK/🗐), you can view the date/time
stamp for the selected entry. If there is a Phone Book
match, the name displays.

Press (MENU) to access the Options. For further details
on the options, refer to "Outgoing" on page xx.

Missed   *Menu 1.3*

Your phone keeps a list of 10 calls placed to your
phone that you did not answer. The phone indicates
missed calls by displaying a text notification on the
screen.

To...	**Press...**
Select an entry	⌃ or ⌄
Dial the selected entry	(TALK)
View the date and time at which the call was dialed and use option features	(OK/🗐)
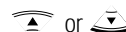
When you press (OK/🗐), you can view the date/time
stamp for the selected entry. If there is a Phone Book
match, the name displays.

Press (MENU) to access the Options. For further details
on the options, refer to "Outgoing" on page xx.

Erase History   *Menu 1.4*

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

Outgoing: The calls you made are erased.

Incoming: The calls you received are erased.

Missed: The calls you missed are erased.

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

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.

Last: shows airtime of the last call.

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

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

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

Phone Book

The Phone book 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. You can store up to 229 numbers.

Find Name   *Menu 2.1*

This option displays the stored names in the Phone
Book by alphabetical order.

Note: You can locate Phone Book entries quickly
when the phone is in Standby mode. Press ☝ to
access the **Find Name** menu in one step.

1. Press ☝ or ☟ to scroll to the desired name.

   You can also enter the first character(s) of the
   name by pressing the associated alphanumeric
   key(s). Using this method, the phone searches for
   the names in the list beginning with that
   character(s), and then displays the first name in
   that section of the list.

2. When the desired entry displays, press (TALK) to
   place a call, or 🔘 to display the name with the
   number, label and speed dial number.

Note: If more than one numbers are stored by the different labels in the selected location, you can see the ˆ and ¤ symbols on both sides of the label. Press (◂◦ or ◦▸) to scroll to the desired number.

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

Talk: dials the number.

Add Phone#: allows you to add several different kind of numbers into the name, such as work office number or mobile number.

Edit: allows you to edit phone number, name, or entry number. **Set Secret** option prevents a number and name from being displayed. When you have made the number secret, only a person with your phone's lock code can view the number and name. **Set Speed Dial** option allows you set manually the number to be dialed by one touch (or two touch or three touch) of the entry number key(s).

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

Erase: erases the number.

Name Ringer: allows you to designate a unique tone to signal an incoming call by the number.

Add New Entry   *Menu 2.2*

This menu allows you to store a number with a name in your Phone Book. You can save a person's different kinds of numbers, such as workplace number, mobile number and fax number, into one entry. Using this feature, you can keep one's information together. It also helps you to find numbers easily in Phone Book.

Creating a New Entry

1. Enter a phone number and press ⊛ .

   If you want to enter a hard or two second pause, press ⊛ , then ④ or ⑤ to enter the desired pause. See page xx for details on pause dialing.

2. You are asked to select a label. The following labels are available: **Home**, **Work**, **Mobile**, **Pager**, **Fax**, **No Label**. After selecting a label using ▲ or ▼ , press ⊛ .

3. The phone prompts for a name. Press ⊛ to confirm **<Add new name>**.

4. Enter the desired name, then press ⊛ . You can enter up to 12 characters for a name. For information on how to enter text, see page xx.

5. The first available location displays. To accept the displayed location, press ⊛. To select another location, enter the location number using the numeric keys or press ▲ or ▼ to scroll to the desired location.

6. Press ⊛.

Adding a Number in an Existing Entry

You can store more than one numbers in one Phone Book location labeling each of the numbers.

1. Enter a number and press ⊛.

2. You are asked to select a label. The following labels are available: **Home**, **Work**, **Mobile**, **Pager**, **Fax**, **No Label**. After selecting a label, press ⊛.

   Note: You can only use each label one time for each stored name. For example, you can only have one number labeled "Work" for a name entry.

3. At the **Name?** prompt, press ▲ or ▼ to scroll to the Phone Book entry that you are adding a number to, then press ⊛ to store the new number.

4. The number and its information are displayed.

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."

My Phone Number   *Menu 2.3*

The phone number of your phone displays every time you turn on your phone. At other times, you can display your phone number using this menu.

Find Entry   *Menu 2.4*

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

Note: You can locate Phone Book entries quickly when the phone is in Standby mode. Press ▼ to access the **Find Entry** menu in one step.

1. Enter the location by pressing the number keys or press ▲ or ▼ to scroll to the desired location.

2. When the desired entry displays, press ⌾ to place a call, or ⊛ to display the name with the number, label and speed dial number.

If you press ⌾, you can access the options. For details on Options, refer to "Find Name" on page xx.

Note: If more than one numbers are stored by the different labels in the selected location, you can see the ⌃ and ¤ symbols on both sides of the label. Press (◄ or ►) to scroll to the desired number.

Services   *Menu 2.5*

Phone numbers for frequently used services are pre-programmed into your phone.

Customer Care: Sprint PCS customer care
(✱SHIFT + 2ABC)

Dir Assist : Directory Assistance
(4GHI + 1 + 1)

Prepaid SVC: Prepaid Calling Service
(✱SHIFT + 7PQRS + 2ABC + 9WXYZ)

Road Assist: Roadside Assistance
(✱SHIFT + 7PQRS + 6MNO + 2ABC + 3DEF)

Messages

Your phone receives voicemail, page/text messages, and MiniBrowser messages. When the phone receives a message, an alert sounds, and a text notification displays with the message indicator, the ✉ icon. The icon remains on the screen until you read the text messages or until you listen to the voicemail notification messages.

You phone can receive incoming messages in both Standby mode and Talk mode. The messages are received even when the phone is locked. If this happens, the time and date of the message displays, but you can access the message. To review the message, you must unlock the phone.

Your phone can store up to 99 messages, depending on the length of the messages. If the message memory is full, an error message is displayed and you cannot receive any new message until you erase the stored messages.

Message Ringing

When your receive a message in Standby mode, the ringer sounds with the message "New Voicemail (Text, Page or BrowserMsg)" in the display. If you are on a call and receive a message, the phone automatically mutes the ringer and provides the call waiting tone (this is to avoid ringing in your ear while you are trying to talk) with a message header .

You can set a unique ring type for each type of incoming message; voicemail, numeric page, text, or MiniBrowser. See the **Ring Type** menu on page xx.

Voicemail

Menu 3.1

Note: Contact your serve provider for information on setting up your voicemail service.

This menu allows you to listen to the voicemail messages and reset the counter for the voicemail messages, if desired.

If you have new voicemail message(s), the screen displays "**Voicemail New**", the time, date and the number of new messages.

Listen: You can listen to the voicemail.
Reset: The voicemail system should automatically clear the ✉ icon after you have listened to all new voicemail messages.If the icon is not automatically cleared (that is, reset), you can clear the icon manually using this option.

One-Touch Access to Your Voicemail Box

You can quickly access to your voicemail box by pressing and holding down ⓞ . However, you must perform a simple setup procedure in order for the this feature to work. Do as follows:

1. In Standby mode, enter the number that will dial your voicemail service.

   This number is determined by your voicemail provider, but normally it is your phone number, or your phone number with # in front of it.

2. Once you have entered in the correct number and it appears on the screen, press ⓞ . The phone prompts with the next available phone book location.

3. IMPORTANT-Press ②ABC , ②ABC , ⑨WXYZ to enter in 229. The phone displays "Entry # 229 will be used."

4. Press ⓞ . The phone prompts you for the name. Enter whatever you like and press ⓞ . You've now stored your voicemail access number into memory location 229. From now on, when you press and hold ⓞ , your phone will connect to your voicemail box.

Note: Do not store any other location into memory location 229, or this one-touch access feature will no longer work.

Page/Text

Menu 3.2

An indexed list of page or text messages you received. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the message to review, then press ⓞ .

After reviewing the message, press 🔘 to access the following options.

Talk: makes a call to the sender of the message.

Save: allows you to save the sender's phone number in your Phone Book if there is no Phone Book match.

Erase: erases the message.

Next Msg: reviews the next message.

Prev Msg: reviews the previous message.

Note: If the message you are reviewing contains a phone number that is already stored in the Phone Book, the **Save** option does not display, and the available menu options will be: **Talk**, **Erase**, **Next Msg**, **Prev Msg**.

Browser Messages   *Menu 3.3*

Selecting this menu launches the MiniBrowser. After connected to network, an indexed list of MiniBrowser messages displays. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the message to review, then press 🔘 .

After reviewing the message, press 🔘 to access the options. For details on Options, see above.

Erase   *Menu 3.4*

You can erase all messages after reviewing.

Page/Text: allows you to erase all page/text messages.

Browser Msg: allows you to erase all MiniBrowser messages.

Roaming

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 Sprint PCS Network and whether your phone is operating in analog cellular or digital mode.

• Spring PCS Network : No icons display
• Other CDMA Networks: The 🄡 icon displays
• Analog Cellular Networks: The 🄡 icon and 🅐 icon display.

Note: Always dial using 11 digits (area code + number) when calling from outside your Sprint PCS Home Service Area.

Set mode   *Menu 4.1*

This menu allows you to set the desired service mode. The three roaming mode are available:

Automatic: The phone will search for digital service first. If digital service is not available, it will search for analog service automatically.

SPRINT PCS: The phone will not roam out side of your home service area.

Analog: The phone operates and roams in Analog mode only. The 🅐 icon displays.

Call Guard   *Menu 4.2*

Using this menu, you can set the phone display a message when a roaming call is about to be placed or received.

Selecting **Yes** turns this feature on.

Selecting **No** turns this feature off.

Calendar

The Calendar feature enables you to:
• Write down today's event
• View the calendar and organize your schedule
• Create a list of things to do
• Set and count D-Day
• Set an alarm clock
• Check the current time for 24 major cities around the world

Note: You can quickly access this menu by pressing ⟨‹◇ in Standby mode.

Today   *Menu 5.1*

You can schedule up to 9 events for the current day indicating each event's start and end time. You can even have your phone's calendar alert you before an event is to start. Events scheduled for future dates automatically appear on your Today events schedule on that day.

Scheduling an Event

1. If there is no event, you are asked to write a new event. Enter an event, then press ⊙. For details on entering a text, refer to page xx.

2. Enter the start time and date of the event, then press ⊙.

3. Enter the end time and date of the event, then press ⊙.

4. You are asked to set an alarm. You are provided several time options; **10 minutes Before**, **On time**, **1 hour Before**, **30 minutes Before**. Selecting **No Alarm** does not trigger an alarm. After selecting an option, press ⊙.

5. The display shows the entered information.

Adding, Editing, or Deleting an Event

When a stored event is displayed, press ⊙ to access the following **Options**.

New Event: allows you to add an event on today.
Edit Event: allows you to edit the today's event.
Erase Event: allows you to delete the event.
Exit: allows you to exit the Options.

After you select an option by pressing ⟱ or ⟰, press the key. Then follow the screen prompt.

Month View   *Menu 5.2*

This option allows you to view in calendar format the current month, or a past of future month. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined.

• You can move up or down the Calendar by one week by pressing ⟱ or ⟰.
• You can move right or left one day by pressing ⟨‹◇ or ◇›⟩.
• To display the next or previous month, press ⊙ or ⊙ on the left side of the phone.

Writing a New Memo

To write or edit a memo on a specific date, proceed as follows.

1. Scroll to the desired date in the calendar by using ⬖.

   Note: To skip to the previous or next month, press Ⓐ or Ⓥ on the left side of the phone.

2. Press ⓞⓚ to confirm the selected date.

3. Enter a new event, then press ⓞⓚ. For more details on entering text, see page xx.

4. Enter the start time and date of the event, then press ⓞⓚ to confirm.

5. Enter the end time and date of the event, then press ⓞⓚ to confirm.

6. You are asked to set an alarm. You are provided several time options; **10 minutes Before**, **On time**, **1 hour Before**, **30 minutes Before**. Selecting **No Alarm** does not set the alarm. After selecting an option, press ⓞⓚ.

7. The display shows the entered information.

Adding, Editing, or Deleting a Memo

When a stored memo is displayed, press ⓜ to access the following **Options**.

New Event: allows you to create a memo.

Edit Event: allows you to edit the memo.

Erase Event: allows you to delete the memo.

Exit: allows you to exit the **Options**.

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

Jump To Date   *Menu 5.3*

This menu allows you to specify the calendar date you want to view.

When you enter a date and press ⓞⓚ, the calendar is displayed and the date you entered is highlighted. Then you can consult the calendar and view the date's event to edit or erase it, if any, or create a new event.

For details on writing, editing or erasing a memo, refer to "Month View" on page xx.

To Do List   *Menu 5.4*

This feature allows you to:
• Draw up a list of tasks to be done
• Assign a priority and deadline to each task
• Sort the tasks by priority

Creating the To Do List Item

1. Enter a task, then press ⊛. You can enter up to 32 characters. For further details on how to enter characters, see page xx.

2. Enter a desired date and time by when the task has to be done, then press ⊛ .

3. Set the priority for a To do list item by pressing ▲ or ▼ . You can select **High** or **Low**.

4. Press ⊛ to save the To Do List item.

Adding, Editing and Erasing an To Do Item

If a task is already defined in the **To Do List**, it is displayed when you select the **To Do List** menu option (**5.4**). Press ⊛ to access **Options**.

The following options are available.

New Item: allows you to create a new task.

Edit Item: allows you to edit the task.

Erase Item: allows you to delete the task.

Exit: allows you to exit the **Options**.

Select an option, and press ⊛ . Then follow the screen prompt.

Countdown   *Menu 5.5*

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

Creating a Countdown timer item

1. When the defined Countdown item is displayed, press ⊛ . The Options list displays.

2. Select **New Item** and press ⊛ .

3. Enter a name for your new Countdown item and press ⊛ . For details on entering text, see page xx.

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

   Notes:

   • Press Ⓐ or Ⓥ on the left side of the phone to toggle between AM and PM.
   • You can enter for dates up to 2099.

5. Press ⊛ to save the item.

Adding, Editing and Erasing a Countdown Item

When you select this menu, the defined Countdown item is displayed. Then press ⓜ to access the **Options**.

Note: 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.

New Item: allows you to create a new item.

Edit Item: allows you to edit the item.

Erase Item: allows you to delete the item.

Exit: allows you to exit the **Options**.

Select an option, and press ⓞ . Then follow the screen prompt.

Alarm Clock *Menu 5.6*

You can set an alarm to sound at a specific time.You set three alarms. Each alarm can be set to go off one time of to go off daily at a time that you have programmed. Keep in mind that if your phone is off at the alarm set time, the alarm will not sound.

Note: In order for the alarm to work, the phone must be on, and you must be in a service area or another provider's service area where a current time service is available.

Setting an alarm

1. Choose the alarm frequency option, press ⓞ .

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

   No Repeat: the alarm rings only once and is then deactivated.

2. Enter the required time and date (if applicable). Note that date setting is unavailable for a Daily alarm.

   Note: Press ⓐ or ⓥ on the left side of the phone to toggle between AM and PM.

3. Press ⓞ to save the setting.

Adding, Editing and Erasing an Item

If you select the alarm already set and press ⓜ, the following **Options** are displayed;

Edit: allows you to edit the alarm.

Erase: allows you to release the alarm.

Exit: allows you to exit the **Alarm Clock** menu.

Select an option, and press ⓞ. Then follow the screen prompt.

To stop the alarm when it rings, simply open the flip cover or press ⓔ.

World Clock   *Menu 5.7*

This menu tells you what time it is in 24 different time zones around the world.

Use ⊙ to find the current time in one of the following 24 time zones. Time zones are identified by one or more major cities, states, regions or countries in a time zone.

- San Francisco
- Paris, Berlin
- Guam, Sydney
- Caracas
- Tashkent
- Honolulu, Hawaii
- London, Madrid
- Seoul, Tokyo
- New York, D.C
- Abu Dabi
- Samoa, Midway
- Cape Verde

- Hong Kong, Beijing
- Chicago, Mexico
- Moscow
- Wellington
- Mid Atlantic
- Bankok, Jakarta
- Denver, Arizona
- Athens, Helsink
- Okhotsk
- Buenos Aires
- Alma-ata
- Alaska

MiniBrowser

The MiniBrowser 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 MiniBrowser, 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 MiniBrowser 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 MiniBrowser session. This is normal and is designed to minimize your bill.

Launching the MiniBrowser

Selecting the MiniBrowser menu starts the MiniBrowser.

Note: The first time you use the MiniBrowser, 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 our phone access the MiniBrowser network, a reminder of the charge will 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 MiniBrowser, press and hold ⟨ⓒ⟩.
   An example of a Home Page is shown below:

   • Yahoo !
   • Weather
   • Portfolio
   • More Internet

3. What appears on the display when accessing the MiniBrowser is dependent on the service provider content. To view additional text, use ⏶ or ⏷ .

   Note: You can quickly access this menu by pressing ›•⟫ in Standby mode.

Exiting the MiniBrowser

Simply press ⓔⓝⓓ to exit the MiniBrowser. If the **Prompt to end** or **Prompt both** option is set in the MiniBrowser Setup (**Menu 7.7**) , you will be prompted whether you want to end the browser call.

Using the Soft Keys

At the bottom of the MiniBrowser display is a solid bar which contains browser commands. ⓜ and ⓞⓚ 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 MiniBrowser software.

Navigating the MiniBrowser

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

The MiniBrowser 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 ((MENU) and (OK/☰)) are located below the bottom line of the display.

Here's how the keys work in the MiniBrowser:

Use to scroll through the browser options. The currently selected option is indicated by "¤ ".

This is the right soft key. For more information, see "Using the Soft Keys" on page xx. Also, this key is used primarily for secondary options or a menu of secondary options.

This is the left soft key. For more information, see "Using the Soft Keys" on page xx. Also, this key is used primarily to confirm your selection.

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 MiniBrowser and return the phone to Standby mode.

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

This is the right cursor key: Moves the cursor right in a text entry.

This is the left cursor key: Moves the cursor left in a text entry.

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 **T9(English)**, **Alpha**, **Symbol** or **Number**. To change the input mode, use the right soft key. For details 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 press (OK/☰) to select a link when it is highlighted.

Initializing a Call from the MiniBrowser

You may initiate a phone call from the MiniBrowser if the site you are using supports this feature (the phone number may be highlighted and the left soft key will appear as "Call."). In most cases, you can also use (TALK) to call the number. The browser connection will be terminated when you initiate the call. After you end the call, your phone will return to the 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 (MENU). 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 MiniBrowser. 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 ▼.

Or,

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

Setup/Tool

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

Sounds
Menu 7.1

You are provided a variety of ringer options in the **Sounds** menu. These ringer options allow you to customize your ring and volume settings so that you can easily recognize when a certain type of call is coming in.

Ringer Volume

This option allows you to adjust the ringing volumes of calls, messages and alarm. You can set each volume to **High**, **Med**, or **Low**.

Selecting **Off** does not sound the ring volume
Selecting **Vibrate** switches the phone to vibration mode. In vibration mode, an incoming call vibrates the phone.
Selecting **1-Beep** sounds a beep.

Ringer Type

This option enables you to set a unique ring type for voice calls, messages, data/fax or alarms.

Voice Calls: allows you to set a unique ring type for incoming voice calls. Also, by selecting different tones, incoming voice calls which have caller ID can be distinguished from those that do not.
Messages: allows you to have distinct ring types for voicemail notifications, text messages, numeric pages, and browser messages.
Alarms: allows you to have distinct ring types for alarms.
Data/Fax In: allows you to have distinct ring types for incoming data or fax.

Key Beep

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

Tone Length

The tone length setting enables you to select **short** or **long** DTMF (dual-tone multi-frequency) tones. DTMF tones are what is send by your phone to access teleservices (such as a bank account). The system used by the bank or other service determines if you need short or long DTMF. If the service is digital (which most are these days), short DTMF will almost always works. However, some new systems and almost all older (analog) system require you to use long DTMF tones.

Alerts

MinuteBeep: 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 beeps when the phone experiences a dropped call or a failed call or when the phone leaves or enters a service area.

Roam Ringer

This option enables you to select a unique ring type for incoming roaming calls. Press ⊼ or ⊻ to choose **Distinctive** or **Normal**. Each tone sounds as you scan the options.

Display
Menu 7.2

Backlight

When the phone is attached to the optional Hands-Free Car Kit, the backlight remains on (when the phone is on). At other times, you can select backlight options, but remember that backlight use drains your battery faster.

The following options are available:

30 SECONDS: The backlight comes on when you press a key or receive a call and switches off 30 seconds after the last key is pressed.

8 SECONDS: The backlight comes on when you press a key or receive a call and switches off 8 seconds after the last key is pressed.

Off: The backlight is not used.

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

Greeting

You can create and display a 12-character personal greeting that displays in the Standby mode. Press and hold ⊂⊃ to erase the existing greeting. Enter your personal greeting by pressing the alphanumeric keys on the keypad, then press ⊙. For more details on entering text, see page xx.

Contrast

The menu allows you to adjust the contrast of the LCD screen. You can set the contrast to **Lowest**, **Low**, **Med**, **High**, or **Highest**. Each time you scan the setting pressing ⊼ or ⊻ , you can see the status of the LCD changing according to each of the settings.

Version

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

Data/Fax In   *Menu 7.3*

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 95, Windows 98, or Windows NT. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a side 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 your 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:

Off: Voice Call Only: Your phone receives voice calls only.

Incoming Fax Only: Your phone receives fax only.

Incoming Data Only: Your phone receives data only.

When you select an option and press ⊛ , the display shows your phone mode.

Note: Once you have set your phone's mode to "**Incoming Fax Only**" or "**Incoming Data Only**", you cannot receive regular voice calls until you change back to "**Off: Voice Call Only**".

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, setup 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.

Security   *Menu 7.4*

Your phone provides many security options, including a user-programmable lock code, call restriction, and phone resetting features. When you are accessing this menu, your phone requires the four digital lock code. The lock code is preset to 0000.

Lock Phone

This menu allows you to lock the phone. Locking the phone limits all outgoing calls except calls to the three hard coded emergency numbers (911, *911 and #911) and the three user-programmable special number.

Unlocked: The phone remains unlocked.

On Power-Up: The phone locks automatically the next time your phone is powered on and stays locked until the lock code is entered.

Lock Now: The phone locks immediately and stays locked until the lock code is entered.

To unlock the phone:

When the phone is locked, you can see "MENU:Unlock" on the display. Press ⊛ and when the phone prompts to enter the lock code, enter the four digits lock code.

Change Lock

The default lock code for your phone is 0000. You can enter a personal lock code, and then change the lock code as often as you like.

Note: Your phone does not allow viewing of the lock code unless you know the lock code (this is for obvious security reasons). So, if you change the lock code, be sure to write down the new code and keep it for your reference.

Special Number

Your phone provides the option of storing special numbers. Each special numbers can be up to ten digits long. All three special numbers can be manually dialed at any time even when your phone is locked. This can be a useful feature for controlling what numbers can be dialed from your phone.

Select a location for the special number, then enter the special number. Then press ⊛ to save the setting.

To dial a special number in lock mode, enter the special number by dialing it as you normally would use the digit keys. Then press ⊛ to call.

Erase Phonebook

This menu allows you to erase all numbers in the Phone Book memory.

When a confirmation displays explaining that you will erase the entire Phone Book entries, press ⊛ to confirm.

Reset Phone

Resetting the phone erases all incoming messages, call logs, special numbers, and returns all user-selectable options to the default settings.

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

Call Answer

Menu 7.5

This menu allows you to select an answer when an incoming call comes. It is preset to **TALK key**.

The following options are available:

Open(???): The phone answers when you open the flip cover.

TALK key: The phone answers when you press (TALK) .

Any key: The phone answers when you press any key except (END/⌀).

Auto Answer

Menu 7.6

Your phone has an automatic answer feature for use with the optional Hands-Free Car Kit. If your phone is installed in the Hands-Free Car Kit cradle, and this menu is turned on, then an incoming call will be answered automatically.

Car Kit Only Yes: Select to turn this feature on. When an incoming call comes in, the phone receives the call automatically after ringing two times.

Car Kit Only No: Select to turn this feature off.When an incoming call comes in, your phone does not answer the call until you receive the call.

MiniBrowser

Menu 7.7

Each time you start or end the MiniBrowser, you will view a reminder that you will be billed for the connection time. You have the option to change when this message appears.

The following options are available:

Prompt to start : The default setting. You will see the prompt when you enter the browser, but not when you exit it.

Prompt both: You will be prompted when you enter or exit the browser.

Prompt to end: You will see the prompt only when you exit the browser.

Prompt none: You will never see the prompt.

Language

Menu 7.8

Your phone can display all menus and messages in either **English** or **Spanish**. It's quick and easy and very convenient for bilingual families or friends.

When the desired option displays, press (OK/☰) to save the setting. Changing the setting immediately affects all menus and screens.

Calculator

Menu 7.9

Using this feature, you can use the phone as a calculator. You can perform calculations including addition, subtraction, multiplication and division on your phone.

Using the Calculator

1. Enter the first number using the numeric keys.

2. Press ⟨⟩ to set the operator for your calculation until the required arithmetic symbol appears: + (addition), - (subtraction), x (multiplication), / (division).

3. Enter the second number.

4. To perform calculation and see the result, press ⟨ok⟩.

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

   Each time you change the operator, 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 ⟨c⟩.
• Use ⟨✳Shift⟩ to enter a decimal point and ⟨#Space⟩ to change the sign of a number to a negative (-).

Reference Information

Accessories

Batteries
Two types of Li-ion batteries are available for use with your phone:
• STANDARD Battery
• EXTENDED Battery

Desktop Charger
Desktop charger allows you to recharge your battery with the phone and also an extra battery, if any, simultaneously.

Cigarette Lighter Adapter
The Cigarette Lighter Adapter charges your phone in a vehicle while you drive and enables you to operate the phone from a vehicle cigarette lighter socket.

Hands-Free Car Kit
The Hands-Free Car Kit provides safety, freedom and convenience in your vehicle. (Kit includes Cradle and Microphone.)

Ear-Microphone
The Ear-Microphone includes both the earpiece and microphone in a convenient, lightweight unit.

RS-232C Cable
The RS-232C Cable connects your SPH-A250 to your computer port, allowing you to use Internet or other communication programs.

Using the Batteries

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

Additional batteries are also available (ask your SAMSUNG dealer for further details):

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.

- 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 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 seen as 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.

Call Waiting - Ability to inform users that they have an incoming call when engaged on another call.

Line Identification Services (Caller ID Display) - Services allowing subscribers to view or block the telephone numbers of callers.

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).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

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 or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger to 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.

Soft Keys - (MENU) and (OK/≡) are used as soft keys in the phone in the MiniBrowser. The purpose of the keys is indicated on the bottom of the display just above the corresponding key.

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.

Voicemail - A computerized answering service that answers a call, plays a greeting and records a message. Depending on the sophistication of the service, it can notify the subscriber, via a pager, of an incoming call or message. (Also called voice messaging)

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.

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SAMSUNG SPH-A250 Quick Reference Card

BASIC OPERATION

Make a call	Phone number + **TALK**
Receive a call	**TALK** or Open the phone
Adjust speaker volume	(in Talk mode) " / repeatedly
Adjust ring volume	(in Standby mode) " / repeatedly
Redial last number	**TALK** twice
Scan the last calls and dial	**TALK** + Navigation (up or down) + **TALK**

INTERNAL PHONE BOOK

Store numbers into memory	Phone number + **OK** + Select a label + **OK** + **OK** + Enter a name + **OK** + **OK** (or another location + OK)
Speed dial	One-Touch (001~009): Hold down the third digit. Two-Touch (010~099): Press the second digit, then hold down the third digit. Three-Touch (100~229): Press the first and the second digit, then hold down the third.
Scan memories • name • location	Navigation (up) + Name + **OK** Navigation (down) + Navigation (up or down) + **OK**
Erasing a specific entry	Navigation (up or down) + Navigation (up or down) + **OK** + **MENU** + **5** + **OK**

MENU TREE

Main Menu (To access, press MENU)

Main Menu	Submenu		Submenu	
1 : Calls	1 : Outgoing 2 : Incoming 3 : Missed 4 : Erase History 5 : Air Time		5 : Calendar	5 : Countdown 6 : Alarm Clock 7 : World Clock
			6 : MiniBrowser	
2 : Phone Book	1 : Find Name 2 : Add New Entry 3 : My Phone # 4 : Find Entry 5 : Services		7 : Voice Dial	1 : Record 2 : Review 3 : Erase All 4 : Set Active
3 : Messages	1 : Voicemail 2 : Page/Text 3 : Browser Msg 4 : Erase		8 : Setup	1 : Sounds 2 : Display 3 : Data/Fax In 4 : Security 5 : Call Answer 6 : Auto Answer 7 : MiniBrowser 8 : Language 9 : Calculator
4 : Roaming	1 : Set Mode 2 : Call Guard			
5 : Calendar	1 : Today 2 : Month View 3 : Jump To Date 4 : To Do List			