PORTABLE CELLULAR
TELEPHONE

SCH-A512
User's Manual

ELECTRONICS

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Safety Quick Guide

Read these guidelines before using your wireless phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see “Health and Safety Information” on page xx.

Road safety comes first

Do not use a hand-held phone while driving; park the vehicle first.

Switch off when refuelling

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

Switch off on aircraft

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

Switch off in hospital

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

Interference

All wireless phones may get interference which could affect performance.

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).

FCC RF EXPOSURE INFORMATION

WARNING! Read this information before using your phone

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 with the back of the phone kept 1.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm. separation distance between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of third-party belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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

Use sensibly

Use only in the normal position (to ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Accessories and batteries

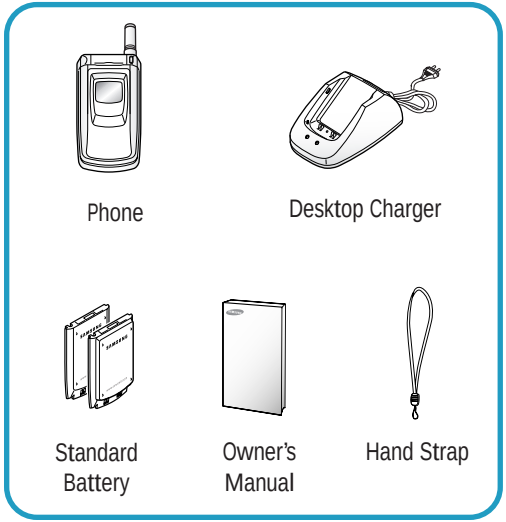
Use only Samsung-approved accessories and batteries.

Use qualified service

Only qualified service personnel may install or repair your phone.

Unpacking

Your package contains the following items.



In addition, you can obtain the following accessories for your phone from your local Samsung dealer:

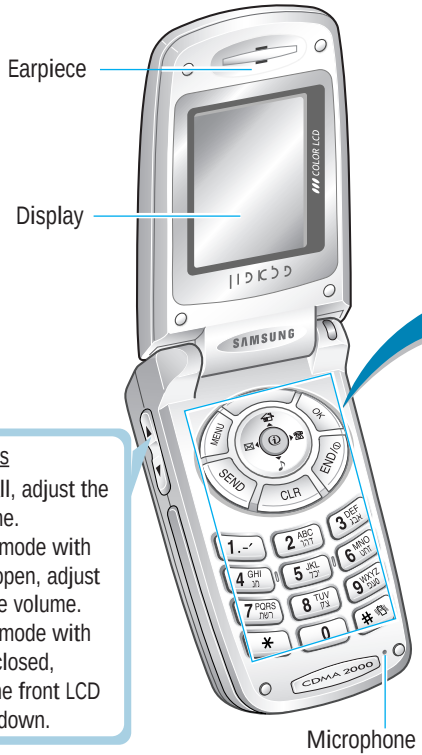
- Ear microphone
- Cigarette lighter adapter
- Hands-free car kit
- Slim and Standard Li-Ion batteries
- Data cable
- PC Link software

Your Phone

Phone Layout

The following illustration shows the main elements of your phone.

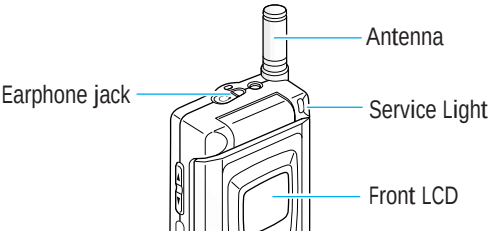
With the phone open



Volume keys

During a call, adjust the voice volume.
In Standby mode with the phone open, adjust the key tone volume.
In Standby mode with the phone closed, backlight the front LCD when held down.

With the phone closed

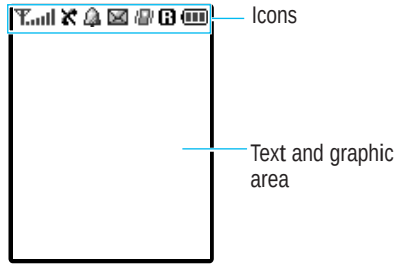


Key	Functions
MENU	Enters the Start menu facility.
OK	In the menu facility, selects a menu function or stores information that you have entered.
	In the menu facility, scrolls through the menu options. In Standby mode, allows you to enter the Main menu facility and enters the Music Box menu. allows you to enter the Msg Manager menu and to enter the Phonebook menu.
	In Standby mode, quickly launches the GoNext browser to allow you to use the Internet.

Key	Functions (continued...)
SEND	Makes or answers a call. In Standby mode, recalls the last numbers you dialed or received.
END/⏻	Ends a call. Also switches the phone on and off when pressed and held. In the menu facility, returns to Standby mode and cancels your input.
CLR	Deletes characters from the display. In the menu facility, returns to the previous menu level.
0 ~ 9	Enters numbers, letters and some special characters.
* #	Use these keys for the various functions. In Standby mode, # quickly enters or exits Manner mode.

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

Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

No Service: Appears when you are outside a service area. With it displayed, you cannot make or receive calls. Wait a little while for a better signal or move into an open area to regain the service.

Alarm: Appears when you set an alarm to ring a specified time.

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

Icons (continued...)

Vibration mode: Appears when you set the phone to vibrate at an incoming call via the Bell/Vibration menu option (Menu 6-1) or the phone is in Manner mode.

Roaming: Appears when you are out of your home area and have registered onto a different network; when travelling in other countries, for example.

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

External LCD

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

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

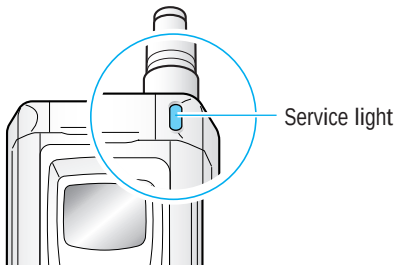
Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the LCD Backlight option set in the Setup 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 the phone waits before the backlight turns off, set the LCD Backlight menu option; see page xx for further information.

Service light

The service light is in the top right-hand corner 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.



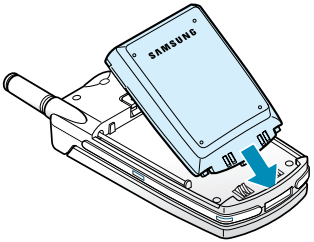
Getting Started

Using the Battery

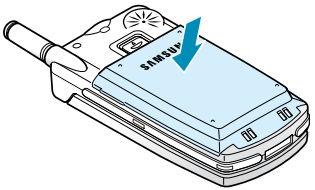
Your phone is powered by a rechargeable Li-ion battery. It comes packages with a partially charged, rechargeable standard Li-ion battery, and must be fully charged the first time you use your phone otherwise the battery could be damaged.

Installing the Battery

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



2. Press the battery down until it snaps into place. Make sure that the battery is correctly installed before turning the phone on.

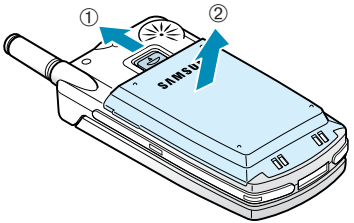


Removing the battery

1. If necessary, switch off the phone by holding down END until the power-off animation begins playing.

2. Remove the battery. To do so:

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



Charging a Battery

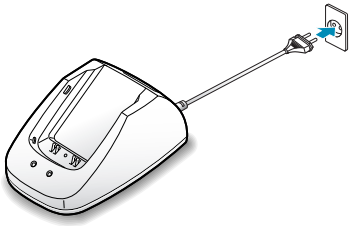
A desktop charger is provided with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Note: You must fully charge the battery before using your phone for the first time.

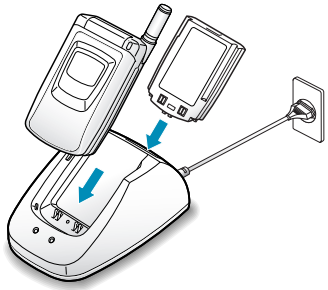
The phone can be used while the battery is charging, but this increases the battery charge time. To get the quickest charge for any battery, turn the phone off.

To charge the battery using the desktop charger:

1. Plug the power cord of the desktop charger into a standard AC outlet. When the power is connected properly, the LEDs on the charger flicker briefly and then turn off.



2. Place the battery into the compartment of the charger. Select one of the following two options:
   - Place the phone with the battery attached into the front compartment. The left LED on the charger turns on in red.
   - Insert a single battery (alone, not attached to the phone) into the rear compartment. The right LED on the charger turns on in red.



3. The color indication of the LEDs on the charger is as follows:
   - Red: the battery charging
   - Green: the batter is fully charged

4. When charging is completed (the LED turns into green), remove the battery or phone from the charger and unplug the power cord of the charger from the AC outlet.

Low Battery Indicator

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

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

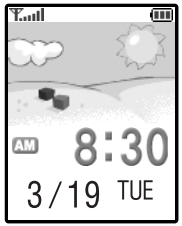
Switching the Phone On / Off

1. Open the folder.

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

3. If the phone asks for a PIN code, enter the PIN code supplied by the service provider. For further information about the PIN code, see page xx.

   The service light in the top right-hand corner of the phone flashes, and an alert sounds. When the system locates services, you can see the following idle screens on the main and the external display respectively.



   If the phone is out of service, the No Service icon appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.

   Note: You can change the display language via the Language menu option under the My Phone menu; see page xx for further information.

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

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

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

Your Phone's Mode

Standby Mode

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

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 CLR 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-Call Options." See page xx for details on the options.

Power Save Mode (???)

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching. While this feature is active, the phone's battery charge will conserved. The phone will automatically recheck for a signal periodically.

To manually force the phone recheck for a signal, press any key. A message on the display let you know when your phone is operating in Power Save Mode.

Lock Mode

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

To unlock the phone temporarily, enter the password. The phone returns to Standby mode.

Call Functions

Making a Call

To make a call:

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

   While entering a phone number, press MENU to insert a hard pause. For more information about pause dialing, see page xx.

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

Correcting the Number

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

Ending a Call

When you have finished your call, press END/PW.

The call time, length of the call displays with the dialed number. If the number is stored in your Phonebook, the name is displayed. If there is no match, you can press and save the number to the Phonebook. For further information about saving the number, see page xx.

OR, simply close the phone to end a call.

Redialing the Last Number

To redial the last number you dialed or received, press and hold SEND down.

The phone stores the records of the last 60 calls made to or from your phone so that you search for the desired number at any time. To recall any of these numbers:

1. If there are any characters on the display, return to Standby mode by pressing END/PW.

2. Press SEND. The list of last calls are displayed. stands for a dialed call, for a received call and for a missed call.

3. Press or to scan through the list until you find the required name or number.

4. Press SEND to dial the displayed number.

Making a Call from the Phonebook

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

Saving a Number with a Name in the Phonebook

1. Press after ending a call or entering the phone number you want to save by using the number keypad.

2. Select the desired label for the number by pressing the navigation keys and press .

   The five labels, Home, Mobile, Office, Etc and Fax are available.

3. Enter a name up to 16 characters.

   For further information about entering characters, see page xx.

4. Press to move through the fields and fill in each field as needed.

   You can enter a speed dial number from 000 to 999 in the box at the right side of the label, and add a number in the Phone Number field.

   In the E-mail field, you can enter an e-mail address.

   In the No Group field, select the desired caller group by pressing or . The ring melody for the group also appears.

   In the Memo field, enter the memo to remind you of the person.

4. When entering is completed, press to save the entry.

Entering Characters

When you are asked to enter characters, the text input modes available appears at the bottom of the display.

1.

To select...	Press until...
Hebrew only	H is highlighted.
Upper case English	A is highlighted.
Lower case English	a is highlighted.
Symbols only	S is highlighted.

2. Press the key labeled with the required letter:
   - Once for the first letter
   - Twice for the second letter
   - And so on

To enter a number, press and hold down the corresponding key.

If you select the Symbol mode, the available symbols are displayed. Highlight the desired one by pressing or then press . To display the more symbol sets, press or .

Finding and Dialing a Number from the Phonebook

1. Press and hold down in Standby mode. The list of all names in the Phonebook displays .
2. Press or to scroll to the desired name.
3. Press or to find the desired number.
4. Press to place a call to the selected number.

   Press to view the details about the selected name.

5. When you view the details about the selected name, pressing displays the following options.
   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected name entry.

While scrolling through the Phonebook list, you can access the following options by pressing .

Edit: allows you to edit the selected name entry.

Delete Name: deletes the selected name entry.

New Register: allows you to store a new name entry.

You can find a number by using the specific information, such as speed dial number, name or group. See page xx.

Speed Dialing

Once you have stored phone numbers with the speed dial number, you can dial them easily whenever you want.

One-Touch Dial: Memory locations 001 through 009 are special one-touch locations. You can dial the phone numbers stored in those locations simply by pressing one button.

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

For example: Location no. 009
Press 9 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 briefly and hold down 3 .

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

Three-Touch Dial: Memory locations 100 through 999 are special three-touch locations.

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

For example: Location no. 123
Press 1 and 2 briefly, then hold down 3.

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

Pause Dialing

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

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

Storing Pauses in a Phonebook Entry

To store a number in your Phonebook that contains pauses:

1. Enter the phone number you want to store, such as the bank's teleservice phone number.
2. Press MENU. A "p" displays.
3. Enter the digits that need to follow the pause, such as your account number.
4. Store the number in your Phonebook as you normally would by pressing and following from step 2 on page xx.

Pause Dialing from a Stored Phonebook Entry

1. Dial the number from the Phonebook.
2. Wait for the appropriate prompt from the system you are calling. When prompted, press SEND to send the DTMF number that follows your hard pause.
3. “SENDING DTMF” flashes on the display and the transmitted tone sounds.

Manual Pause Dialing

You can enter pauses manually 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 MENU to enter a hard pause. The phone displays a “p” meaning a hard pause.
3. Enter the number to be sent after the pause and then press SEND to dial the first number.
4. After connecting, press SEND again at the prompt to transmit the additional number.

Adjusting the Volume

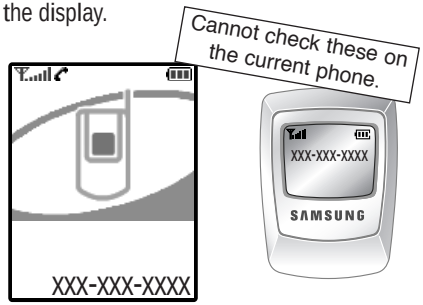
During a call, if you want to adjust the voice volume, use the volume keys on the left side of the phone.

Press A to increase and V to decrease the volume. The illustration on the display shows all eight levels (the more bars, the louder).

In Standby mode, you can adjust the key tone volume by using these keys.

Answering a Call

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



If the caller can be identified, the caller's phone number or name, if stored in your Phonebook, appears at the bottom of the display.

1. If necessary, open the folder. Press SEND to answer a call.

2. End the call by closing the folder or pressing END/PW.

Notes:
- You can answer a call while using the phonebook or menu features. The current operation will be interrupted.
- To reject the call, press and hold or on the left side of the phone.

In-Call Options

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

Press MENU during a call to access the following in-call options.

Phonebook: allows you to access the Phonebook menu. See page xx for further information.

Messages: allows you to access the Msg Manager menu. See page xx for further information.

Mic 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.

No Key Tone: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Send Own Number: sends DTMF tones of your number.

Send: Send DTMF: sends DTMF tones of the currently displayed number. DTMF (Dual Tone Multi Frequency) tones can be used to control electronic phone services such as bank-by-phone or voice mail. During a call, key in the digits you want to send as DTMF tones, for example, the bank account number and password. Then, press .

Quick-switching to Manner Mode

Manner mode disables all sounds on the phone. This feature is best used in situations where the phone might disturb others, such as a meeting, library or theater. You can switch your phone to Manner mode with one touch of a key.

To enter Manner mode, press and hold down until “Switch to Manner Mode” appears with the Vibration icon .

Pressing and holding down once again exits Manner mode.

Viewing Missed Calls

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

When the display informs you of the call you missed, press to call the displayed number or to clear the message and return to Standby mode.

To view the missed calls, access the Call Received menu option (Menu 3-3). The missed calls are indicated by the icon .

Call Forwarding

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

Call Waiting

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

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

To answer a waiting call:

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

2. Press SEND again to switch between two parties.

Three-Way Calling

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

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

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

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

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

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.

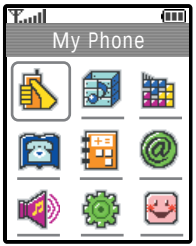
The menus and submenus can be accessed by scrolling or using the shortcuts.

Accessing the Menu Facility

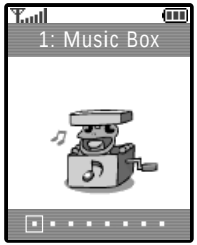
There are two ways to access the menu facility:

In Standby mode, press to display the Start menu.

You can change the Start menu by registering new menus and changing the menu order or menu icon via the My Phone menu. Note that you can access the menu only from the Start menu.



OR, in Standby mode, press to display the Main menu. You cannot change the Main menu.



Accessing a Menu Functions by Scrolling

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

2. Scroll with the navigation keys to reach the desired menu, for example, Sounds. Press to enter the menu.

3. Find the menu option you want, for example, Connect Tone, by scrolling with or . Press to enter the menu option.

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

4. Scroll with the navigation keys to find the setting of your choice.

5. Press to confirm the selection.

With a menu highlighted from the Start menu, you can see the blinking box, meaning that there are some options available at the bottom left of the display. Press MENU, and the following options are available.

Change Icon: allows you to change the menu icon. For further information, see page xx.

Delete Menu: deletes the menu from the Start menu.

Change Order: allows you to change the menu order. For further information, see page xx.

Notes:
- To return to the previous menu level, press CLR.
- You can exit the menu without changing the menu settings by pressing END.

Accessing a Menu Functions by Using its Shortcut

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

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

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

   Example: Adjusting the contrast of the main LCD

   Press 7, 6, and 1.

   7 for Setup, 6 for LCD Contrast, and 1 for Main LCD

2. Find the setting of your choice by using the navigation keys then press OK to save the selection.

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

List of Menu Functions

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

My Phone

Page xx

- 1: Set Start Menu
- 2: Set Menu Screen
  - 1: Menu Screen
  - 2: Menu Icon
  - 3: Menu Order
  - 4: Pop-up Menu box
  - 5: Icon List
- 3: My Name
- 4: Sliding Text
- 5: Animation
  - 1: Standby Mode
  - 2: Incoming Call
  - 3: GoNext Connection
  - 4: Power-On
  - 5: Power-Off
  - 6: Delete Image
- 6: Delete Menu
- 7: Reset Menu
- 8: External Clock
- 9: Dial Number
- 0: Language

1: Music Box

Page xx

- 1-1: Select Bell
- 1-2: Select Melody
- 1-3: Music Bell
- 1-4: Select My Bell
- 1-5: My Own Melody

2: Games

Page xx

- 2-1: Push Push

3: Phonebook

Page xx

- 3-1: Find Number
  - 3-1-1: By Speed Dial
  - 3-1-2: By Name
  - 3-1-3: By Number
  - 3-1-4: By Group
  - 3-1-5: By Time
  - 3-1-6: Last of Search
- 3-2: Call Sent
- 3-3: Call Received
- 3-4: Add Entry
- 3-5: Caller Alert
  - 3-5-1: Edit Number
  - 3-5-2: Set Number
  - 3-5-3: Icon List
- 3-6: Group Editing
- 3-7: Delete All
- 3-#: My Phone Number

4: Planner

Page xx

- 4-1: Morning Call
- 4-2: Alarm
- 4-3: Scheduler
- 4-4: Memo
- 4-5: Calculator
- 4-6: World Time
- 4-7: D-Day Plus
- 4-8: Unit Conversion
- 4-9: Time Manager
  - 4-9-1: Show Air time
  - 4-9-2: Set Time

5: GoNext / MSG

Page xx

- 5-1: GoNext
- 5-2: Msg Manager
  - 5-2-1: Message Recv
    - 5-2-1-1: Text Message
    - 5-2-1-2: Voice Mail
    - 5-2-1-3: Message Alert
    - 5-2-1-4: Show Messages
  - 5-2-2: Message Sent
    - 5-2-2-1: Write Mail
    - 5-2-2-2: Page Mobile
    - 5-2-2-3: Send Name Card
    - 5-2-2-4: Outbox
  - 5-2-3: Text Box
- 5-3: Set Modem
  - 5-3-1: Select Alert
  - 5-3-2: Auto Recv Set
  - 5-3-3: Comm. Speed Set

6: Sounds

Page xx

- 6-1: Bell/Vibration
- 6-2: Ring Volume
- 6-3: Connect Tone
- 6-4: Disconnect Tone
- 6-5: DTMF Tone

7: Setup

Page xx

- 7-1: Set Password
- 7-2: Auto Redial
  - 7-2-1: Auto Area Code
  - 7-2-2: Int.Call
- 7-3: Hide Phone #
- 7-4: Restriction
- 7-5: LCD Backlight
  - 7-5-1: Backlight Time
  - 7-5-2: Backlight Set
- 7-6: LCD Contrast
  - 7-6-1: Main LCD
  - 7-6-2: External LCD
- 7-7: System Selection
- 7-8: PIN Check
- 7-9: Reject Method
- 7-0: SID Select
- 7-*: Reset Phone
- 7-#: Lock Phone

My Phone

You can use the My Phone menu to determine the various settings for the Start menu or the display components.

Note that this menu can be accessed only when you press .

Set Start Menu *MENU OK-1*

This menu option allows you to set up the Start menu, which is displayed when you press .

At the factory, the six main menus; Music Bell, Games, Phonebook, Scheduler, GoNext/MSG, Sounds, and Setup are registered on the default Start menu. You can register up to 12 menu options onto the Start menu.

To register a menu:

1. Select the desired menu by pressing and then .
2. Find the desired submenu by repeating step 1, if necessary and press to register.
3. Select the desired menu address by pressing the navigation keys then .

   Note that the addresses already occupied are marked in red. If you select one of them, the confirming message appears. Select Yes to confirm, or No to cancel and select a new one.

4. Select Basic Icon to display the preset icon list, or select My Icon to use one of the icons downloaded from the PC Link application(???). Then press .
5. Select desired icon from the list by pressing the navigation keys and press .

Set Menu Screen *MENU OK-2*

You can change the settings for the menu screen.

The following setting options are available.

Menu Screen: allows you to select the size of the menu icon.

Menu Icon: allows you to change the icons for the menus registered onto the Start menu.

Menu Order: allows you to change the order of the menus. Select the desired menu and press and move it by pressing or . After moving, press to fix the menu.

Pop-up Menu Box: allows you to change the pop-up message or menu window. Select the desired window style by pressing or .

Icon List: allows you to view the icons available in the Basic Icon list and the My Icon list.

My Name

MENU OK-3

You can set the phone to display your name on the idle screen.

Enter the desired name up to 16(???) characters as your preference. For further information about entering characters, see page xx.

Note: The name may not be shown on the idle screen depending on the size of the background image.

Sliding Text

MENU OK-4

You can set the phone to display some text. The text will be slid at the top of the idle screen.

1. Select Set to turn the feature on.

   If you want to turn the feature off, select Release.

2. Press MENU .

3. If there is any text already entered, press CLR to clear it. Enter the desired text up to 16(???) characters.

   For further information about entering characters, see page xx.

4. Press OK to save.

Animation

MENU OK-5

You can set the various animated images to display on the background of the display in some situations.

The following options are available.

Standby Mode: allows you to select an image to be displayed on the idle screen.

Incoming Call: allows you to select an image to alert you to an incoming call.

GoNext Connection: allows you to select an image to be displayed when you launch the GoNext browser.

Power-On: allows you to select an image to be displayed when you switch the phone on.

Power-Off: allows you to select an image to be displayed when you switch the phone off.

Delete Image: allows you to delete the images downloaded from the Wireless Web via the GoNext browser.

Delete Menu

MENU OK-6

You can delete the registered menus from the Start menu.

Select the desired menu and then select Yes when a confirming message appears.

Reset Menu

MENU OK-7

This menu option resets the Start menu to its default status.

When a confirmation message appears, select Yes to confirm. Select No to cancel.

External Clock

MENU OK-8

You can change the type of the clock to be displayed on the external LCD.

Select the desired clock from Digital Clock and Analog Clock.

Dial Number

MENU OK-9

This menu option allows you to change the size of the number display when you enter a phone number to dial.

Select the desired size from Big and Small.

Language

MENU OK-0

You can change the display language.

Select the desired language from English and Hebrew.

Music Box

The Music Box menu contains the bells and melodies for the ring to alert an incoming call. A bell or melody selected in this menu will be used according to the setting in the Bell/Vibration menu option (Menu 6-1).

You can quickly access this menu by pressing from Standby mode.

Note: When the phone is in Manner mode (see page xx), you cannot use this menu.

Select Bell

MENU 1-1

You can select the desired one from the 25 predefined bells.

Use the navigation keys to listen to the bells available. Each time you select one, it is played for a few seconds.

Select Melody

MENU 1-2

You can select the desired one from the 25 predefined melodies.

Use the navigation keys to listen to the melodies available. Each time you select one, it is played for a few seconds.

Music Bell

MENU 1-3

You can select the desired one from the 5 melodies downloaded from the Wireless Web via the GoNext browser.

Use the navigation keys to listen to the melodies available. Each time you select one, it is played for a few seconds.

Select My Bell

MENU 1-4

You can select the desired one from the 3 melodies downloaded by using the ARS service(???).

Use the navigation keys to listen to the melodies available. Each time you select one, it is played for a few seconds.

My Own Melody

MENU 1-5

You can select the desired one from the 3 melodies downloaded by using the PC Link application.

Use the navigation keys to listen to the melodies available. Each time you select one, it is played for a few seconds.

Games

You can enjoy the Push Push game on your phone.

1. Press when Push Push is highlighted.
2. Press . The Key Helper appears to help you understand the key operation on the game.
3. Press to start the game.

The object of the game is to push the balls into the little house. The ball can be pushed left, right, up, or down. It cannot however, be pushed backwards. There must always be a space to push the ball forward or else the ball is stuck and the level cannot be completed. Two balls cannot be pushed together, only one ball at a time may be pushed. Once the ball has been pushed into the house, another ball can push the house if another house is located behind it.

Phonebook

The Phonebook allows you to:

- Store up to 1,000 name including 5 different numbers and use them easily.
- View records of the calls you made or received.
- Specify the caller stored in your Phonebook individually or in group to alert you to a call by a distinctive way.
- View your phone number.

You can access this menu quickly by pressing from Standby mode.

Find Number *Menu 3-1*

This option allows you to find the entries stored in the Phonebook by speed dial number, name, number, group name, time or your last search.

Note: You can access the list of the whole phonebook entries by pressing and holding down from Standby mode. For further information, see page xx.

By Speed Dial

This option allows you to find a stored number by entering its speed dial number.

1. Enter the desired speed dial number using the number key and press . The corresponding entry is displayed.

2. Press to place a call to the number.

   Press to view the details about the selected name.

3. When you view the details about the selected name, press to use the following options.

   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected number.

When you found a number, pressing displays the following options.

Change Number: allows you to change the speed dial number of the selected number.

Release Number: allows you to release the speed dial number of the selected number.

By Name

This option allows you to find a stored number by entering its name.

1. Enter the starting character(s) of the name by pressing the associated alphanumeric key(s) and press .

   Using this method, the phone searches for the names in the list beginning with that character(s), and then displays the corresponding entries.

2. Press or to find the desired number under the selected name.

3. Press to place a call to the number.

   Press to view the details about the selected name.

4. When you view the details about the selected name, press to use the following options.

   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected number.

By Number

This option allows you to find a stored number by the number.

1. Enter the first digit(s) of the number you want to find by using the number keypad and press .

2. Press to place a call to the number.

   Press to view the details about the selected name.

3. When you view the details about the selected name, press to use the following options.

   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected number.

By Group

This option allows you to find a stored number by entering the name of its caller group.

1. Select the desired caller group and press .
   The members of the selected group are displayed.

2. Press or to find the desired name.

3. Press or to find the desired number under the selected name.

4. Press to place a call to the number.

   Press to view the details about the selected name.

5. When you view the details about the selected name, press to use the following options.

   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected number.

By Time

This option lists the name entries in order of the time when they were stored.

1. Press or to find the desired name.

2. Press or to find the desired number under the selected name.

3. Press SEND to place a call to the number.

   Press OK to view the details about the selected name.

4. When you view the details about the selected name, press MENU to use the following options.

   - Edit: allows you to edit the selected name entry.
   - Delete Item: deletes the selected number.

Last of Search

This option allows you to view the last number you searched for.

Press SEND to place a call to the number.

Press OK to view the details about the selected name.

When you view the details about the selected name, pressing MENU displays the following options.

Edit: allows you to edit the selected name entry.

Delete Item: deletes the selected number.

Call Sent *MENU 3-2*

Via this menu option, you can view the records about up to 30 last phone calls placed from your phone.

Press OK after selecting the desired number, and the number and name, if saved in your Phonebook, are displayed together with the date and time at which the call was made.

Press SEND to make a call to the selected number.

You can also use the following options by pressing MENU.

Save: allows you to save the number in your Phonebook.

Delete: deletes the selected call record.

Delete All: deletes all records.

Call Received *MENU 3-3*

Via this menu option, you can view up to 30 last records about the phone calls placed from your phone.

Press OK after selecting the desired number. The number and name, if the caller line identification service available are displayed, together with the date and time at which the call was made.

Press SEND to make a call to the selected number.

You can also use the following options by pressing MENU.

Save: allows you to save the number in your Phonebook.

Delete: deletes the selected call record.

Delete All: deletes all records.

Add Entry *MENU 3-4*

This menu option allows you to add a new name entry.

For further information about saving a number with a name, see page xx.

Caller Alert *MENU 3-5*

If the caller line identification service is available, you can set the phone to alert you to an incoming call from a specific person by the distinguished icon and ring.

Setting a Phonebook Number for Caller Alert

1. Select Set Number and press OK.
2. Select the desired number from the Phonebook list by using the navigation keys and press OK.

   Pressing MENU allows you to find a number by group or name. For details, see page xx.

3. Select the desired category of the ring by pressing or and press 2.
4. Select the desired bell or melody by pressing or and press OK.
5. Select the desired type of the icons from Animal Icon, Human Icon, Etc icon and My icon, and then press OK.
6. Scroll to the desired icon from the list by pressing the navigation keys and press OK.

Changing the Settings for Caller Alert

1. Select Edit Number and press OK.
2. Select the desired number and press OK. The display shows the melody and the icon you have set.
3. Press MENU and select the desired one from the following options.
   - Change Incoming: allows you to change the ringer and icon.
   - Delete Management:: cancels the caller alert setting.
4. After changing, press CLR or END/PW to exit.

Viewing the Icons for Caller Alert

1. Select Icon List and press .
2. Select the desired type of the icons and press .
3. Use the navigation keys to scroll through the icon list.

Group Editing *MENU 3-6*

This menu allows you to add a new group and edit or erase the exiting groups. You have three predefined groups and can define six groups as your preference.

Adding a New Group

1. From the Group list, press or .
2. Select Add and press .
3. Enter a name for the group and press . You can enter up to 16 characters.

   For further information about entering characters, see page xx.
4. Select the desired category of the ring by pressing or and press .
5. Select the desired bell or melody by pressing or and press .

6. Select the desired color of the LED to indicate an incoming call from the member of the group, and press to save.

Editing an Existing Group

1. Select the desired caller group and press or .
2. Select Edit and press .
3. Select an existing group you want to edit and press .
4. Follow the steps 3 from 6 in “Adding a New Group” on page xx to edit the group settings.

Deleting an Existing Group

1. Select the desired caller group and press or .
2. Select Delete and press .
3. Select the group you want to delete, and press .
4. When a confirming message appears, select Yes to confirm and press .

   Otherwise, select No.

Delete All

MENU 3-7

This menu option allows you to delete all Phonebook entries.

Enter the phone password and select Yes to confirm.

My Phone Number

MENU 3-#

You can view your phone number using this menu.

Planner

The Planner feature provides various convenient functions for your life, such as alarm clock, scheduler, memo pad, calculator, D-day counter and unit convertor. You can also view your call time and set the current date and time using the feature.

Morning Call

Menu 4-1

You can set a morning call to wake you up in every morning.

To set a morning call:

1. When a morning call screen is displayed, press MENU to display the following options.
   - Call Time: Enter the time when the morning call works by using the number keypad. You need to enter the hour in 24-hour format.
   - Call Melody: Select the desired ring type and then the desired melody or bell.
   - Call Interval: the interval for the morning call to work from Everyday On, Mon-Sat On and Mon-Fri On.
2. Select the desired option and change the setting as needed. Press .
3. Repeat steps 1 to 2, if necessary.

4. When setting is completed, select Set by using the navigation keys.

5. Press to save.

To cancel the morning call setting, select Release in the morning call screen.

Notes:
- The Morning call will work even when your phone is in Manner mode (see page xx) or you set the phone to light or vibrate at an incoming call via the Bell/Vibration menu option (Menu 6-1).
- Keep in mind that if your phone is off at the specified time, the morning call will not sound. In order for the morning call to work, the phone must be on and in a service area.

Alarm *Menu 4-2*

This option allows you to set up to two alarms to ring at a specified time.

To set an alarm:

1. Select the desired alarm cell from ALARM 1 or ALARM 2 and press .

2. When an alarm screen appears, press MENU to display the following options.

   - Alarm Time: Enter the time when the alarm works by using the number keypad. You need to enter the hour in 24-hour format.

   - Alarm Melody: Select the desired ring type and then the desired melody or bell.
   - Alarm Interval: the interval for the alarm to ring from One Time Ring and Everyday Ring.

3. Select the desired option and change the setting as needed. Press .

4. Repeat steps 2 to 3, if necessary.

5. When setting is completed, select Set by using the navigation keys.

6. Press to save.

To cancel the alarm clock setting, select Release in the alarm screen.

To stop the alarm when it rings, press any one of the volume keys, or any key after opening the folder.

Note: Keep in mind that if your phone is off at the specified time, the alarm will not sound. In order for the alarm to work, the phone must be on and in a service area.

Scheduler

Menu 4-3

This option allows you to view the past or future month as well as the current month in calendar format. In this menu option, the current day is highlighted on the calendar. You can schedule up to 30 events for one day and be alerted by the Scheduler function before an event is commenced. Days with the scheduled events are marked in red.

Selecting a Day on the Calendar View

- You can move to the next or the previous day by pressing or .
- You can move up or down the Calendar by one week by pressing or .
- To display the next or previous month, use the volume keys on the left side of the phone.

Scheduling a New Event

1. Select the desired day on the Calendar view, referring to “Selecting a day on the Calendar View” above and press .
2. If necessary, change the date and press .
3. Enter the time for the event.
4. The Contents field are automatically highlighted. Press and enter your event information.

   You can enter up to 32 characters. For further information about entering characters, see page xx.

5. Press to accept your input.
4. Determine when an alarm will notify you of your event by pressing or and press .

   Select BF 30M for alarm to ring 30 minutes before the specified time, On Time to ring on time or Before 1 to ring 1 hour before the specified time.

5. Select the ring type and then the desired bell or melody and press .
6. Press to save.
7. If you want to display the Scheduler options, press . The following options are available.
   - **New Schedule:** allows you to schedule a new event on the selected day.
   - **Delete All:** deletes all events in the Scheduler.

Viewing an Scheduled Event

Select the desired day on the Calendar view, referring to “Selecting a day on the Calendar View” on page xx and press . The list of the event(s) on the selected day appears.

If more than one events are scheduled, press or to scroll to the desired event and press to view details.

Pressing MENU to display the following options.

Edit: allows you to edit the selected event.

Add: allows you to schedule a new event.

Delete: deletes the selected event.

Memo

Menu 4-4

You can create up to 5 memos to make a note of some important things you need to remember.

Writing a New Memo

1. Enter the contents you need to remember.

   You can enter up to 200 characters. For further information about entering characters, see page xx.

2. Press OK to save.

3. If you want to display the Memo options, press MENU. The following options are available.

   - New Memo: allows you to create a new memo.
   - Delete: deletes the selected memo.
   - Delete All: deletes all memos.

4. Press CLR or END to exit.

Viewing a Memo

If you have any memo already created, the list of the memo(s) appears when you access the Memo menu option.

Select the desired memo from the list and press OK to view details.

While viewing a memo, pressing MENU displays the following options.

Edit: allows you to edit the selected memo.

Delete: deletes the selected memo.

Calculator

Menu 4-5

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

Performing a Calculation

1. Enter the first number using the numeric keys.

2. Set the operator for your calculation by pressing the navigation keys according to the illustration on the display: + (add), - (subtract), x (multiply), ÷ (divide).

3. Enter the second number.

4. Repeat steps 2 to 3 as many times as required.

5. To calculate the result, press .

Notes:

- To erase any mistakes or clear the display, press CLR.
- Use * to enter a decimal point and # to change the sign of a number to a negative (-).

World Time

Menu 4-6

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

Press the navigation keys to scroll through the world map until the desired time zone appears.

D-Day Plus

Menu 4-7

This menu helps you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific day. You can create up to 10 D-Day counters using this menu.

Creating a D-Day Counter

1. Enter a title for your D-Day counter and press .

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

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

   You can also use the following options, press .

   - Calculate Date: allows you to calculate the date, if you don't know. Enter a date you want to count from and the number of the days then select Before or After. The date appears.
   - Set Alarm: allows you to select an alarm to ring at that day.

3. Press to save.

4. If you want to use the D-Day Plus options, press . The following options are available.

   - Add: allows you to create a new counter.
   - Delete: deletes the selected counter.
   - Delete All: deletes all counters.

Viewing a D-Day Counter

If you have any D-Day counter already created, the list of the counter(s) appears when you access the D-Day Plus menu option.

Select the desired counter from the list and press to view details.

While viewing a counter, pressing displays the following options.

Edit: allows you to edit the current counter.

Delete: deletes the current counter.

Unit Conversion *Menu 4-8*

This menu allows you to convert some value into the required unit.

To perform a unit conversion:

1. Select the desired type of unit from Length, Weight, Volume, Area and Temperature and press .
2. Select the source unit by pressing or and press .
3. Enter the desired value to conduct conversion and press .
4. Select the destination unit by pressing or and press to view the result.

5. If necessary, press CLR to reset the convertor and repeat conversion.
6. Press END to exit.

Time Manager *Menu 4-9*

Using this menu option, you can:
- view your call time
- set the current date and time

Show Air Time

Your phone keeps the amount of airtime, or call time used. Using this option, you can view the airtime for the last call or all calls made to or from your phone. You can easily reset the airtime measurement at any time.

The display shows the following measurements.

Last Call Time: shows airtime of the last call.

Data Com. Time: shows airtime of the all data calls.

Total Air Time: shows the number of all calls made to or from your phone and total duration of the calls since the air time counter was lastly set to zero by using the Delete All Call(???) option.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so forth.

While viewing the air time, pressing MENU displays the following options.

Delete Last Call: deletes the “Last Call Time” measurement.

Delete Data: deletes the “Data Com. Time” measurement.

Delete All Call(???): deletes the “Total Air Time” measurement.

Delete All: deletes all measurements at the same time.

Set Time

The option enables you to set the current date and time.

The current time, if set, displays. Enter the date and time using the number keypad. You can move the cursor from the date field to the time field by pressing or .

The month, day, hour and minute must be entered with 2 digits and the year requires all four digits. For the hour, you need to enter in 24-hour format; for example, enter 15 and 30 for 3:30 PM.

GoNext/MSG

You can use this menu to:

- navigate Wireless Web by using the GoNext browser
- send or receive SMS messages
- configure the data communication settings

GoNext *Menu 5-1*

Your phone comes equipped with a Web browser makes it possible for you to access the wireless web.

The Web browser allows you to access up-to-the minute information through your phone. Browsing the wireless web through your phone is unlike using your computer in that site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed most graphics.

You can launch the browser quickly by pressing from Standby mode.

(On the current phone, this menu doesn’t work correctly. The contents will be added when the software is fixed!!.)

Msg Manager

Menu 5-2

Using the Msg Manager menu, you can:

- Read your text message and listen to the voice mail message.
- Create a text message or numeric page, and send it.

You can quickly access this menu by pressing in Standby mode.

Message Recv

Cannot check this menu on the current phone.

Your phone can receive voice mail and text messages. When the phone receives a message, an alert sounds, and a text notification displays with the New message icon . The icon remains on the display until you read the text messages or listen to the voice mail notification messages.

Your phone receives incoming messages in both Standby mode and Talk mode. The messages are received even when the phone is locked, but you cannot access the message. To review the message, you must unlock the phone.

Your phone can store up to 25(???) 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 obsolete messages.

Text Message

An indexed list of text messages in the timely order displays. The first message is the oldest one. A symbol in front of the sender's name or number indicates the status of the message: > for read messages, : for unread messages and ! for urgent messages.

Select the desired message using or .

To...	Press...
Make a call to the sender	SEND.
To read the message contents	.
To erase the selected message	MENU and select the Delete option.
To erase all of the messages	MENU and select the Delete All option.

While reading a message, pressing MENU displays the following options.

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

Forward: allows you to the selected message to another person.

Delete: deletes the selected message.

Save Number: allows you to save the phone number of the sender. For further information about saving a number, see page xx.

Voice Mail

When you access this menu, the information about the latest voice mail, such as the date and time when the mail was received and the caller's name or number appears.

Select the desired message using or .

To...	Press...
Make a call to the caller	SEND.
Listen to the selected voice mail	1 and follow the voice prompt from the server
Delete the selected voice mail	2.

Note: You can quickly access your voice mail box by pressing and holding down in Standby mode.

Message Alert

When you receive a new message in Standby mode, the phone alerts you. You can set how frequently this happens and which alert type sounds.

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.

The following options are available:

Alert Interval: Set how often your phone alerts you that there are new received messages between Every 2 Mins and One Time. Selecting No Alarm does not sound the message alert.

Set Alert: Set the alert type for the message alert between Alarm Sound 1 to Alarm Sound 5. Selecting No Sound (Lamp) does not sound the message alert but flashes the service light.

Show Messages

You can set the phone to display the contents of a new text message in Standby mode when it comes in.

Select Set to display the contents of the message. Otherwise, select Release.

Message Sent

Your phone can transmit text messages, numeric pages and your name card to multiple locations.

Write Mail

To create and send a text message.

1. Press when Write New Text is highlighted.
2. Enter the message as needed and press .
   For further information about entering characters, see page xx.

   Note: If a call comes in while you are creating a message, the text you already entered is automatically saved into the Text Box; see page xx.

3. When the display asks if you want to store the entered text as a template for future use, select Yes or No and press .

   Note: If the memory for the message templates is full, the warning message telling you that there is no empty space to save the message appears. You cannot store any more text until you erase the unnecessary text.

4. Enter the phone number of the destination by using the number keypad.

   Pressing allows you to a number from the Phonebook by name or caller group. For further information about finding a number, see page xx.

5. If you want to send the message to more than one persons, press to fill in another destination field. If necessary, repeat this step to add more phone numbers. You can enter up to 20 persons.

   Note: You will be billed for each phone numbers.

6. When entering the phone number(s) is completed, press .
7. If necessary, change the Callback number which the recipient will call back to.

   The default Callback number is your phone number.

8. Press to transmit the message.
9. When the message is sent with no error, the display asks if you want to save the transmitted message. Select Yes to confirm or No not to do, and press .

   If your phone fails to transmit the message successfully, the message asking if you want to retransmit the message will appear. Select Yes to confirm or No not to do.

To use a stored text:

1. Select Open Text and press .
2. Select the desired text from the list and press .
3. Complete the message as needed and press .
4. Send the message by following from step 2 on page xx.

To set the transmission speed for sending messages:

1. Select Transmit Speed and press .
2. Select the desired mode from Normal, Fast, and Emergent and press .

Page Mobile

This menu allows you to send the numeric pages.

1. Enter the destination number, referring to the steps 4 and 5 under “Write Mail” on page xx.

   Note: You will be billed for each phone numbers.

2. When entering the phone number(s) is completed, press .
3. If necessary, change the Callback number.
4. Press to send the page.

Send Name Card

This menu allows you to send the numeric pages.

To create your name card:

1. Press when Edit Name Card is highlighted.
2. Enter your name, phone number, and memo and press .

   You can move through the input fields by press or .

3. When a confirming message appears, select Yes and press .

To send your name card:

1. Select Send Name Card and press .
2. Enter the destination number, referring to the steps 4 and 5 under “Write Mail” on page xx.
3. Press to send.

Outbox

Cannot check this menu on the current phone.

In this menu, you can view:

- the messages you stored after transmission
- the messages you hold

1. Select the desired message type from Message Sent and Message On Hold and press .
2. Select the desired message using or .
3.

To...	Press...
View the selected message	.
Resend the selected message	and select the Resend option.
Delete the selected message	and select the Delete option.
Delete all message in Outbox	and select the Delete All option.

While viewing a message, pressing displays the following options.

Resend: allows you to re-send the message to the desired destination.

Delete: deletes the selected message.

Text Box

When writing a new message, you can store the text that you send most frequently to retrieve at later time into the Text Box. Also, when you receive a call while creating a message, the text you entered already will be automatically stored in the Text Box. The box can hold up to 25 messages.

1. Select the desired text by pressing or .

2. To use the following Text Box options, press .

   - Write New Text: allows you to add new text.
   - Delete Text: deletes the selected text.
   - Delete All: deletes all text in Text Box.

   To view the text, press .

While viewing text, pressing displays the following options.

Send SMS: allows you to send an SMS message using the selected text. For further information on sending a message, see page xx.

Edit Text: allows you to edit the selected text.

Delete Text: deletes the selected text.

Set Modem

Menu 5-3

Your phone is capable of sending or receiving digital data and fax call when connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Windows NT, Windows 98 or later. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications.

To use digital data or fax services with your phone, you will need to obtain digital data/fax kit from your local Samsung dealer. This kit will contain the necessary cables, software, and documentation required for you to connect and use your phone with your computing device. Refer to your data kit manual for further details on setting up your computing device.

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

Select Alert

This option allows you to set how you are alerted when the phone receives data or fax calls.

Select the desired ringer type and then select the desired bell or melody.

Auto Recv Set

You can set the phone to function as a modem to send or receive data and fax calls.

The following options are available.

Release Auto Recv: The mode for the data and fax is released. Your phone can send or receive the voice calls only.

Modem Auto Recv: The mode for data calls is set. The phone automatically receives incoming data when the data cable is connected.

Fax Auto Recv: The mode for fax calls is set. The phone automatically receives incoming fax calls when the data cable is connected.

Comm. Speed Set

This menu allows you to select the speed for the communication between your phone and the computing device.

Select the desired speed. For the fax calls, select Fax Only.

Sounds

Using this menu, you can customize the various sound settings, such as:

- Ring type
- Ring volume
- Tone to sound when your call is connected or disconnected
- the length of the DTMF tone

Note: When the phone is in Manner mode (see page xx), you cannot use this menu.

Bell / Vibration *Menu 6-1*

This option allows you to indicate how you are to be informed of any incoming calls.

The following options are available:

Bell/Melody: The phone rings using the bell or melody selected via the Music Box menu (Menu 1).

Vibration: The phone vibrates but does not ring.

Lamp: The backlight is switched on and the service light blinks; the phone neither rings nor vibrates.

Vibration & Bell: The phone vibrates and rings.

Bell & Vibration: The phone rings and vibrates.

Bell (Increase): The phone rings using the ring tone, but the ring volume increases from the lowest level.

Bell (Decrease): The phone rings using the ring tone, but the ring volume decreases from the loudest level.

Ring Volume

Menu 6-2

This option allows you to adjust the ring volume.

Use the navigation keys or the volume keys on the left side of the phone to adjust the volume. The illustration shows the volume level.

Connect Tone

Menu 6-3

With this menu option Set, the phone sounds the connect tone when your call is connected to the system.

To turn the connect tone off, select Release.

Disconnect Alert

Menu 6-4

With this menu option Set, the phone sounds the Release tone when a call is disconnected or dropped from the system.

To turn the disconnect tone off, select Release.

DTMF Tone

Menu 6-5

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 work. However, some new systems and almost all older (analog) systems require you to use long DTMF tones.

Setup

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

Set Password *Menu 7-1*

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

Enter the current password, and enter a new four-digit password. Enter it once again at a prompt.

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

Auto Dial *Menu 7-2*

You can set the phone to automatically dial the area code or international call code when you make a call.

Auto Area Code: Enter the desired area code and select Set. The entered code will be displayed each time you open the phone to make call.

Int.Call: Enter the desired international call service number and select Set. The entered number will be displayed when you press and hold 0 down in Standby mode.

To cancel the Auto Dial numbers, select Release.

Hide Phone # *Menu 7-3*

This feature allows you to restrict your phone number display on the called person's phone.

Select Set to hide your number. Otherwise, select Release.

Restriction *Menu 7-4*

This feature provides you with the various options to hide your private information or restrict the phone's unauthorized use. The following options are available.

Privacy: protects your private information. If you set this option private, the phone password is required to access your personal information, such as the phone book, scheduler, memo, call records and so on.

Incoming Call: restricts all incoming calls to your phone.

International Call: restricts all international calls.

Caller ID: hides the caller IDs of the incoming calls.

To access each option, you need to enter the phone password. Select Set to restrict the selected item. Otherwise, select Release.

LCD Backlight

Menu 7-5

You can select whether or not the phone uses the backlight or how long the backlight is on. A marginal increase in standby/talk time can be achieved by turning the backlight off or setting the saving backlight.

The following options are available.

Backlight Time: allows you to set the length of time the phone waits until the backlight turns off after you press a last key or open the cover, from 8 Seconds On and 20 Seconds On. If you select Always On, the backlight is on as long as the phone is on.

Backlight Set: allows you to set the backlight type. Normal Lighting flashes the backlight when you press any key. Select Saving Lighting to use the backlight only between 5:00 PM and 8:00 AM. Doing this saves the power of the battery.

LCD Contrast

Menu 7-6

This option allows you to adjust the contrast of the display to make it darker or lighter.

Select the desired one from Main LCD and External LCD and adjust the brightness by pressing the navigation keys. You can also use the volume keys on the left side of the phone.

System Selection

Menu 7-7

The system selection feature of your phone enables you to choose how your phone will roam. Roaming is a feature which is only relevant in areas where there are usually at least two cellular service providers which are referred to as “A” and “B” and have valid roaming agreements. Your service provider will provide you with information about this service or the best roaming methods for you.

The following options are available:

Home Only: With this setting, you cannot roam. If your home system is not available then your call will not be connected and the No Service indicator is displayed. In some service areas, an operator may come on line asking you how you would like to pay for the call.

Int.Auto Roaming: The phone will search for your service system first. When the service is not available, it will search for an alternate system automatically.

Auto Roaming(A): With this setting, your phone will always try your call using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog “A” system.

Auto Roaming (B): With this setting, your phone will always try your call using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog “B” system.

PIN Check

Menu 7-8

By setting the phone to send the PIN code when dialling, you can prevent your phone from being used by unauthorized persons. The phone will prompts you to enter the your PIN code when you make a call. Therefore, the person who don't have the code will not be able to use your phone.

Select Set to turn this feature on, or Release to cancel.

Note: Your service provider must enable this feature and assign you a PIN code in order for this feature to work. Contact your service provider for complete information about the PIN code.

Reject Method

Menu 7-9

This menu option enables you to set the phone to automatically reject an incoming call when you cannot answer the call, for example, during a meeting.

The following options are available.

No Sound Bell: the phone does not ring.

Instantly Hang Up: the phone hangs up the call as soon as it gets a call signal.

Auto Answer: the phone answers the call automatically by a preset greeting message.

SID Select

Menu 7-0

This menu is available when you select Int.Auto Roaming in the System Selection menu option. Contact your service provider for further information. (????)

Reset Phone

Menu 7-

To access this menu, you need to input the phone password.

You can initialize the phone's memory. The following options are available.

Only Function: resets all user-selectable setting options to their default settings.

Initialize: erases all data you have stored in the phone's memory, such as Phonebook entries, memos, schedules, call records and so on.

When a confirmation displays explaining that you will reset all the menu options, select Yes to confirm. The phone reboots (turns itself off then on), and then returns to Standby mode.

Select No to cancel your selection and exit this menu.

Lock Phone

Menu 7-#

To access this menu, you need to input the phone password.

This menu allows you to lock the phone. Locking the phone limits all use of your phone. The following options are available.

Auto Lock: After unlocking the phone temporarily, you can lock the phone simply by closing the folder.

Manual Lock: After unlocking the phone temporarily, you need to switch the phone off and back on to lock the phone.

Release: releases the Lock mode.

Once you have locked your phone, the Lock icon appears in the display.

To use the phone in Lock mode, enter the four-digit password. Your phone unlocks temporarily and you can use it.

To cancel Auto Lock mode and unlock the phone, enter the password in Lock mode to unlock the phone temporarily. Access the Lock Phone menu and select Release to unlock your phone completely.

Health and Safety Information

Precautions When Using Batteries

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

- 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 time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends 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.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice - almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, on that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

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

4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

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

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

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

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 of danger.

When connecting the phone or any accessory to another device, read its user’s guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.
consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so.Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

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

Posted Facilities

Switch off your phone in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users 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.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:
1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location. Emergency numbers vary by location.
3. Press SEND .

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Other Important Safety Information

- Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and may be illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or 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 to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, or any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

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

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

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

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

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

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

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

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

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.

Glossary

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 indicate that battery charging is taking place.

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

RF - Radio Frequency

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

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

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

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

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

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

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The Index will be updated when the manual is fixed.

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SAMSUNG

SCH-A512 Quick Reference Card

BASIC OPERATION	
Make a call	Phone number + SEND
End a call	END
Receive a call	Open the phone or SEND
Adjust key tone volume	(in Standby mode) ▲/▼ on the left side
Adjust voice volume	(during a conversation) ▲/▼ on the left side
Redial the last call	SEND twice
Switch to manner mode	(in Standby mode) Hold #down

INTERNAL PHONEBOOK	
Store a new number into memory	Phone number + ▼ + label + OK + name + ▼ to the selected label + speed-dial number + OK +Yes + OK
Speed dial	One Touch (001~009): Hold down the third digit. Two-Touch (010~099): Press the second digit briefly, then hold down the third digit. Three-Touch (100~999): Press the first and the second digit briefly, then hold down the third.
Scan memories	Hold ▼ down + ▼ or ▲ + OK + ▲ or ▼ + SEND or OK

MENU TREE

Start Menu (To access, press MENU)

My Phone	1 : Set Start Menu 2 : Set Menu Screen 3 : My Name 4 : Sliding Text 5 : Animation 6 : Delete Menu 7 : Reset Menu 8 : External Clock 9 : Dial Number 0 : Language
1 : Music Box	1 : Select Bell 2 : Select Melody 3 : Music Bell 4 : Select My Bell 5 : My Own Melody
2 : Games	1 : Push Push
3 : Phonebook	1 : Find Number 2 : Call Sent 3 : Call Received 4 : Add Entry 5 : Caller Alert 6 : Group Editing 7 : Delete All # : My Phone Number
4 : Planner	1 : Morning Call 2 : Alarm
4 : Planner (continued...)	3 : Scheduler 4 : Memo 5 : Calculator 6 : World Time 7 : D-Day Plus 8 : Unit Conversion 9 : Time Manager
5 : GoNext/MSG	1 : GoNext 2 : Msg Manager 3 : Set Modem
6 : Sounds	1 : Bell/Vibration 2 : Ring Volume 3 : Connect Tone 4 : Disconnect Tone 5 : DTMF Tone
7 : Setup	1 : Set Password 2 : Auto Dial 3 : Hide Phone # 4 : Restriction 5 : LCD Backlight 6 : LCD Contrast 7 : System Selection 8 : PIN Check 9 : Reject Method 0 : SID Select * : Reset Phone # : Lock Phone

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