SAMSUNG

SCH-N345

User's Manual

SAMSUNG
ELECTRONICS

World Wide Web
http://www.samsungmobile.com

Printed in Korea
Código No.: GH68-xxxxxA
English. 05/2004.Rev.1.0

Please read this manual before operating your phone, and keep it for future reference.

FCC RF EXPOSURE INFORMATION

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standards 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 antenna or one that is approved. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in a 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 a 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 at least a 0.59 inch (1.5 cm.) separationdistance, between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of 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.

Vehicle Mounted External Antenna (optional, if available.)

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

For more information about RF exposure, please visit the FCC web site at www

Table of Contents

Important Safety Precautions 7

Unpacking 9

Your Phone
Phone Layout 10
Display 13

Getting Started
Installing the Battery 16
Charging the Battery 17
Switching the Phone On/Off 20
Your Phone's Mode 21

Call Functions
Making a Call 23
Answering a Call 30
Options During a Call 31
Using the Caller ID 32
Viewing Missed Calls 32
Quickly Switching to Silent Mode 33
Call Forwarding 33
Call Waiting 34
Three-Way Calling 35

Entering Text
Changing the Text Input Mode 37
T9 Mode 38
ABC Mode 40
Symbol Mode 42
123 Mode 42

Using the Menus

Accessing a Menu Function by Scrolling 43
Accessing a Menu Function by Using Its Shortcut..... 44
List of Menu Functions 45

Calls

Outgoing *(Menu 1-1)* 48
Incoming *(Menu 1-2)* 49
Missed *(Menu 1-3)*..... 49
Erase history *(Menu 1-4)* 50
Air time *(Menu 1-5)* 50

Contacts

Find by name *(Menu 2-1)* 51
Add by entry *(Menu 2-2)* 52
Find by entry *(Menu 2-3)* 55
Find by group *(Menu 2-4)*..... 55
Add e-mail *(Menu 2-5)* 56
My phone # *(Menu 2-6)* 56
Memory *(Menu 2-7)* 56

Messages

New messages *(Menu 3-1)* 58
Voice *(Menu 3-2)* 60
Inbox *(Menu 3-3)*..... 61
Outbox *(Menu 3-4)*..... 62
Draft *(Menu 3-5)* 63
Erase msg *(Menu 3-6)*..... 64
Msg setting *(Menu 3-7)*..... 64

Scheduler

Today *(Menu 4-1)* 67
Scheduler *(Menu 4-2)* 69
Task list *(Menu 4-3)* 70
Memo pad *(Menu 4-4)* 71
Alarm *(Menu 4-5)* 72
Calculator *(Menu 4-6)* 73
World time *(Menu 4-7)* 74
Count down *(Menu 4-8)* 74
Set time *(Menu 4-9)* 76

Sounds

Ringer volume *(Menu 5-1)* 77
Ringer type *(Menu 5-2)* 78
Key beep *(Menu 5-3)* 78
Alerts *(Menu 5-4)* 79
Voice volume *(Menu 5-5)* 80
Roam ringer *(Menu 5-6)* 80
Tone length *(Menu 5-7)* 80
Power on/off *(Menu 5-8)* 81

Display

Menu style *(Menu 6-1)* 82
Wallpaper *(Menu 6-2)* 82
Backlight *(Menu 6-3)*..... 83
Banner *(Menu 6-4)* 83
Contrast *(Menu 6-5)* 84

Setup

Auto CSP *(Menu 7-1)* 85
Auto key lock *(Menu 7-2)* 86
Auto answer *(Menu 7-3)* 86
Call answer *(Menu 7-4)* 86
Auto retry *(Menu 7-5)* 87
Auto hyphen *(Menu 7-6)* 87
Language *(Menu 7-7)* 87
Select NAM *(Menu 7-8)* 88
Set system *(Menu 7-9)* 88
Version *(Menu 7-0)* 89

Security

Lock phone *(Menu 8-1)* 90
Change lock *(Menu 8-2)* 91
Restriction *(Menu 8-3)* 91
Emergency # *(Menu 8-4)* 91
Send PIN *(Menu 8-5)* 92
Erase contacts *(Menu 8-6)* 93
Reset phone *(Menu 8-7)* 93

Health and Safety Information

Precautions When Using the Batteries 94
Road Safety 96
Operating Environment 98
Electronic Devices 98
Potentially Explosive Atmospheres 100
Emergency Calls 101
Other Important Safety Information 102
Care and Maintenance 103

Glossary 105

Index..... 108

Quick Reference Card..... 111

Important Safety Precautions

Read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Health and Safety Information" on page 112.

Road Safety at All Times
Do not use a hand-held phone while driving; park the vehicle first.

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

Switching Off in Aircraft
Wireless phones can cause interference. Using them in aircraft is both illegal and dangerous.

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

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

Special Regulations
Meet 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).

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

Accessories and Batteries
Use only Samsung-approved accessories and batteries.

Qualified Service
Only qualified service personnel may install or repair your phone.

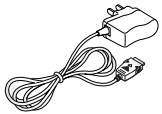
Unpacking

Your package contains the following items:

Handset

Battery

Travel adapter



Hand strap

User's manual

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

- Standard battery
- Travel adapter
- Car charger
- Straight headset
- Simple handsfree car kit
- PC data cable
- PC link CD

Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.

Keys

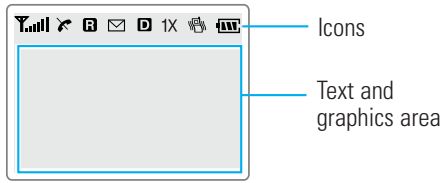
Key (s)	Functions
	Performs the functions indicated by the text above them, on the bottom line of the display.
	In Menu mode, scrolls through the menu options. In Standby mode, quickly enters the following menus respectively: • : Messages • : Ringer type • : Scheduler • : Calculator
	Deletes characters from the display. In Menu mode, returns to the previous menu level.
	Makes or answers a call. In Standby mode, retrieves the most recent numbers dialled, received, or missed. Redials the last number when pressed and held.
	Ends a call. Also switches on and off the phone when pressed and held. In Menu mode, cancels your input and returns to Standby mode.

Key	Functions *(continued...)*
0 ~ 9 WXYZ	Enters numbers, letters, and some special characters.
*	In Standby mode, activates Key Guard mode when pressed and held. In the text entry mode, changes the case of letters.
#	In Standby mode, enters or exits Silent mode on and off when held down. Also, it is used at various times when you dial, especially when using teleservices.

Display

Layout

The display comprises two areas; an upper line of fixed icons, and the lower text and graphic area.



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. When it appears, you cannot make or receive calls.

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

New Message: Appears when a new text message is received.

Digital Mode: Indicates when the phone is in Digital mode. When it is not displayed, you are in Analog mode.

1X Mode: Appears when 1X system is acquired.

Vibrator: Appears when the ringer volume for calls set to **Vibrate**, **High+Vib**, or when Silent mode is activated.

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

Another Icons

Ringer Off: Appears when you set the ringer volume for calls to **Off**.

Silent Mode: Appears when Silent mode is activated.

Auto Answer Mode: Appears when auto answer feature is activated.

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

Backlight

The display is 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 your setting in the **Backlight** menu (**Menu 6-3**). The backlight remains on at all times when the phone is connected to an optional car kit.

To specify the length of time for which the backlight is active, set the **Backlight** menu; see page 79 for further details.

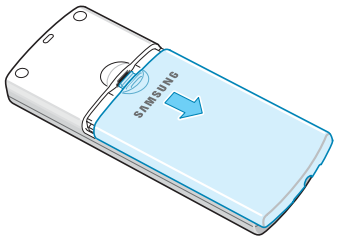
Getting Started

Installing the Battery

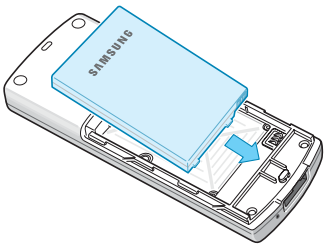
Your phone is powered by a rechargeable Li-ion battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 120 minutes for a standard battery.

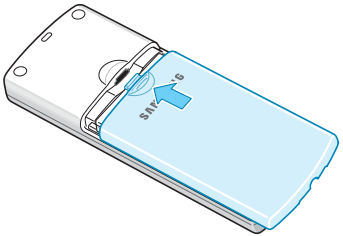
1. Remove the battery cover by pressing down the groove and then sliding the cover out.



2. Place the battery into the battery slot, making sure that the metal contacts is facing down.



3. Place the battery cover, as shown, and slide it toward the top of the phone until it clicks into place.

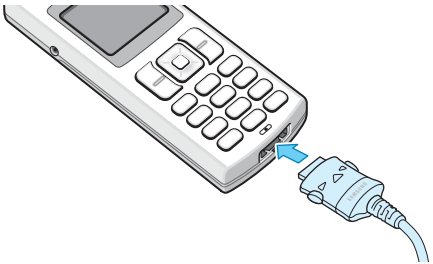


Charging the Battery

Your phone is powered by a rechargable Li-ion battery. A travel adapter comes with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer.

You can use the phone while the battery is being charged, but this will cause the battery to charge more slowly.

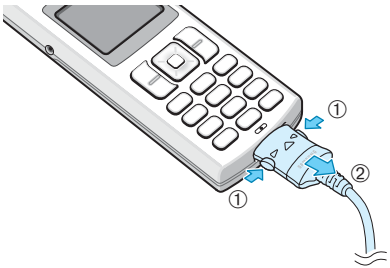
1. With the battery in position on the phone, plug the connector of the travel adapter into the adapter jack at the bottom of the phone.



2. Plug the adapter into a standard AC wall outlet.

   The Battery Strength icon on the display repeats filling and emptying itself to indicate that the battery is charging.

3. When charging is finished, unplug the adapter from both the power outlet and the phone by pressing the buttons on both sides of the connector and pulling the connector out.



Note: Do not remove the battery from the phone without unplugging the adapter while it is charging. Otherwise, the phone may be damaged.

Low Battery Indicator

You can easily tell if your battery needs to be recharged by checking the battery strength icon ( ) at the upper-right corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge and one bar indicates an even smaller charge. No bars (the battery icon is empty) means your battery must be charged.

When the battery charge level gets low, the battery sensor blinks an empty battery icon ( ) and sounds a warning tone. If the battery level gets too low, the phone will automatically turn off. Unfortunately, if this happens, you'll lose whatever you are doing, and your phone call will cut off. Watch the battery strength icon and make sure your battery is adequately charged.

Switching the Phone On / Off

1. Hold down until the power-on animation is displayed to switch the phone on.

   When the system locates services, the greeting message displays along with the current date and time. You can now place and receive calls.

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

   Note: You can change the LCD language using the **Language** menu option (**Menu 7-7**); for further details, refer to page 81.

2. When you wish to switch the phone off, hold down until the power-off animation is displayed.

Your Phone's Mode

Standby Mode

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

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

The main menu can be accessed when you are in Standby mode.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing gives you a list of options. See page 34 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 10 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display lets you know when your phone is operating in Power Save mode.

Key Guard Mode

You can lock the keypad by pressing and holding * in Standby mode. By doing this, you can prevent accidental key pressing.

To unlock the keypad, press C and then *. The Lock icon displays in the display.

When you have an incoming call or an alarm occurs in Key Guard mode, the mode is automatically deactivated and the phone goes to Standby mode.

Note: You can set the phone to automatically lock the keypad after a specified period of time, in the **Auto key lock** menu (**Menu 7-2**). See page 88.

Call Functions

Making a Call

In Standby mode, key in the area code and phone number and press .

When entering a number, pressing allows you to insert a pause or a hyphen. For more details about pause dialing, see page 28.

Note: If you have activated **Auto retry** menu (**Menu 7-5**), the phone automatically retries to make the call when the line is busy or the remote person does not answer you.

Correcting the Number

To clear the ...	Press ....
last digit displayed	C .
whole display	C for more than one second.

Ending a Call

When you want to finish your call, briefly press .

The call time, the length of the call, displays briefly and the phone returns to Standby mode.

Redialing the Last Call

To redial the last call you made, press twice in Standby mode.

Your phone stores the last 10 incoming or outgoing calls. To recall any of these numbers:

1. If there are any characters on the display, press to return to Standby mode.
2. Press . The list of the call logs is displayed.
3. Use or to scroll through the list until you select the required name or number.
4. Press to dial the number.

Making a Call from the Contacts

You can store the phone numbers called regularly in memory, which is called the Contacts. You then simply recall the number to dial. For further information on the Contacts feature, refer to page 55.

Emergency Dialing

You can place an emergency call from your emergency number list, even if your phone is locked or all outgoing calls are restricted. For further information on emergency numbers, refer to page 98.

Call Functions

Prepend Dialing

The prepend option lets you add digits, such as area codes and network feature activation codes to a phone number that is in your internal Contacts or call Logs.

To prepend existing phone numbers in the Contacts or call logs:

1. Access a call log entry referring to page 24 or a Contacts entry referring to page xx.
2. When the desired phone number displays, press to access the option menu.
3. Use or to scroll through the list until **Prepend** option is highlighted.
4. Press .
5. Enter the area code or feature code.
6. Press to dial the number.

Speed Dialing

Once you have stored phone numbers in the Contacts memory, you can dial them easily by pressing a few keys.

One-Touch Dial

Memory locations 001 through 009 are special one-touch locations. You can dial the phone numbers stored in those memory locations simply by pressing one number key.

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 500 are special three-touch locations.

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

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

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

Note: When several numbers are saved in one location, only the phone number which is specified with the **Speed dial** label category will be automatically dialed. For details, refer to page 57.

Pause Dialing

When you call automated systems, 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 them in your Contacts, separated by special characters which are called pauses.

Storing Pauses in a Contacts Entry

To store a number in your Contacts that contains pauses:

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

2. Press to display the menu options.

3. Press or to highlight the desired pause type.

   - **P pause**: The letter "P" displays within the number, meaning that a hard pause will occur at that point in the calling sequence.
   - **T pause**: The letter "T" displays in the number, meaning that a timed (2-second) pause will occur at that point in the calling sequence.
   - **Hyphen**: allows you to insert a hyphen.

4. Press to enter a pause. Continue entering numbers and using to enter pauses.

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

Pause Dialing from a Stored Contacts Entry

1. Dial the number from the Contacts.

2. If you stored the number using "T" pause, simply call the number form the Contacts.

   If you stored the number using "P" pause, wait for the appropriate prompt for the number, such as a credit card number or a bank account number.

3. When prompted, press to send the DTMF (Dual-Tone Multi-Frequency) number that follows your pause.

Manual Pause Dialing

You can enter pauses manually during the dialing process.

1. Enter the phone number of the service you want to connect to, such as a bank's teleservice phone number.

2. Press to display the menu options.

3. Press or to highlight the desired pause type.

4. Press to enter a pause. Continue entering numbers and using to enter pauses.

5. When you finish entering the numbers, press to dial the number.

Answering a Call

When somebody calls you, the phone rings and the phone icon is displayed in the middle of the display.

If the caller can be identified, the caller's phone number (or name if pre-stored in your Contacts) is displayed. If the caller cannot be identified, only the phone icon appears.

1. To answer a call, press . Your phone is preset to answer a call when the key is pressed via the **Call answer** menu (**Menu 7-4**).

   If the menu is set to **Any key**, you can answer a call by pressing any key except for . When you set the menu to **SEND key**, you must press to answer a call. For details about the menu, see page 91.

2. End the call by pressing .

Note: You can answer a call while using the Contacts or menu features. The current operation will be interrupted.

Options During a Call

Your phone provides a number of functions that you can use during a call. As many of these options are network services, you may not be able to use all of them at all times.

Press during a call to access the following options:

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

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

Calls: allows you to access the **Calls** menu.

Contacts: allows you to access the **Contacts** menu.

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

Send tel #: allows you to send the telephone number to the other caller.

My phone #: shows your phone number.

Version: allows you to view the software and hardware version of your phone.

Speaker phone: allows you to make a conversation through the speaker on the back side of the phone.

SEND:Send DTMF : allows you to send the DTMF (Dual-Tone Multi-Frequency) tones of the currently displayed number. DTMF tones can be used to control electronic phone service, 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.

Using the Caller ID

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

Note: Contact your service provider to set up the Caller line identification service.

Viewing Missed Calls

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

Press to call the displayed number.

Quickly Switching to Silent Mode

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

To enter Silent mode, press and hold down until "Entering Silent Mode" and the Vibration icon ( ) appear.

Pressing and holding down once again exits Silent mode. The icon is no more displayed.

Call Forwarding

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

Call Waiting

Call Waiting lets you receive a second call during conversation. Your phone notifies you of a call waiting by beeping an displaying "Call Waiting."

Your phone provides the option of turning the Call Waiting feature on and off if you have subscribed to the service. Call Waiting is on by default in the phone. If you choose to have a undisturbed conversation, simply turn off the feature for the current call.

Note: Contact your service provider to activate the Call Waiting service.

To answer a waiting call:

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

2. Press again to switch between the two parties.

Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voicemail or another number that you have set up. Contact your service provider for more information.

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records each party into the Outgoing Calls log. Also, You are billed airtime for each outgoing call separately.

Note: Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, enter the phone number for the third party, and then press . The phone places the other party on hold and dials the third party.

2. When you are connected to the third party, press again to begin your three-way call.

If one of the callers (not you) hangs up, you and remaining caller stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

Entering Text

At many times when using your phone, you will need to enter text; for example, when storing a name in the Contacts, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone using your phone's keypad.

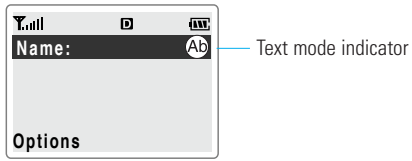
Your phone has the following text input modes:

- **T9 word**: This mode allows you to enter words with only one key press per letter. Each key on a keypad has more than one letter - a single press on 5 JKL could be J,K or L. The T9 mode automatically compares your key presses to an internal linguistic database to determine the correct word. The T9 mode requires far fewer keystrokes than the traditional multi-tap method, ABC mode.
- **ABC**: This mode allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter appears on the display.
- **Symbol**: This mode allows you to enter special characters.
- **123**: This mode allows you to enter numbers.

Changing the Text Input Mode

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

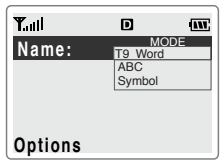
Example: Entering a name for a Contacts entry



You can change the text input mode by pressing ···.

To change to another text input mode:

1. Press ···.



2. Scroll to the desired mode by pressing ▲ or ▼.

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

3. To select the highlighted mode, press ···.
4. You will find the selected text input mode indicator on the display.

T9 Mode

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

1. Press the keys on the phone just once per desired letter. For example, to enter “Hello,” press 4 GHI , 3 DEF , 5 JKL , 5 JKL , and 6 MNO .

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

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

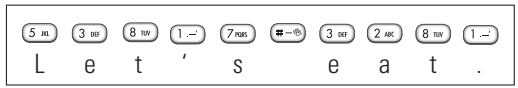
4. Put a space between each word by pressing # .

   If the word that appears on the display is not the word that you desire, press 0 one or more times to display alternative word choices for the keys you have typed. For example, both “Of” and “Me” have the sequence of 6 MNO and 3 DEF . The phone displays the most commonly used choice first.

5. Continue entering the next word.

Smart Punctuation

Periods, hyphens, and apostrophes are available by pressing 1 . T9 applies rules of grammar to insert the correct punctuation. Notice that 1 is used twice in this example to display two punctuation marks.



Including a Number

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

Changing the Case

Your phone offers three cases;

- T9 : initial letter is capitalized
- T9 : all letters are capitalized
- t9 : all letters are lower case

Press * one or more times to display the appropriate case indicator, and begin typing normally.

Erasing Letters and Words

Press C one or more times to erase letters to the left. Press and hold C to erase all.

ABC Mode

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

This method is called multi-tap typing.

For example, you press 2 three times quickly to display the letter "C" and 5 two times quickly to display the letter "K."

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

Refer to the table below for the list of characters assigned to each key.

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

(Caps Lock mode)

Changing the Case

Your phone offers three cases;
- Ab : initial letter is capitalized
- AB : all letters are capitalized
- ab : all letters are lower case

Press * one or more times to display the appropriate case indicator and begin typing normally.

Inserting a Space

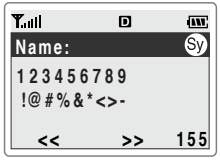
Press # to put a space between each word.

Erasing Letters and Words

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

Symbol Mode

Symbol mode enables you enter symbols.



Press ◄ or ► to display more symbols.

Press the keys corresponding to the desired symbols. The phone automatically switches back to the text input mode used just prior to selecting Symbol mode.

123 Mode

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

Using the Menus

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

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

Accessing a Menu Function by Scrolling

1. In Standby mode, press ··· to access Menu mode.

2. Press the Navigation keys to reach the main menu; for example, **Setup**. Press ··· to enter the menu.

3. If the menu contains any submenus: for example, **Language**, find the one you want by pressing the Navigation keys. Press ··· to enter the submenu.

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

4. Scroll with ▲ or ▼ to find the setting of your choice. Press ··· to confirm the chosen setting.

Notes:
- You can return the previous menu level by pressing C.
- You can exit the menu without changing the menu settings by pressing ☎.

Accessing a Menu Function by Using Its Shortcut

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

Note: The numbers assigned to each menu function are indicated on the list on page 48.

1. In Standby mode, press [...] to access Menu mode.

2. Enter the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

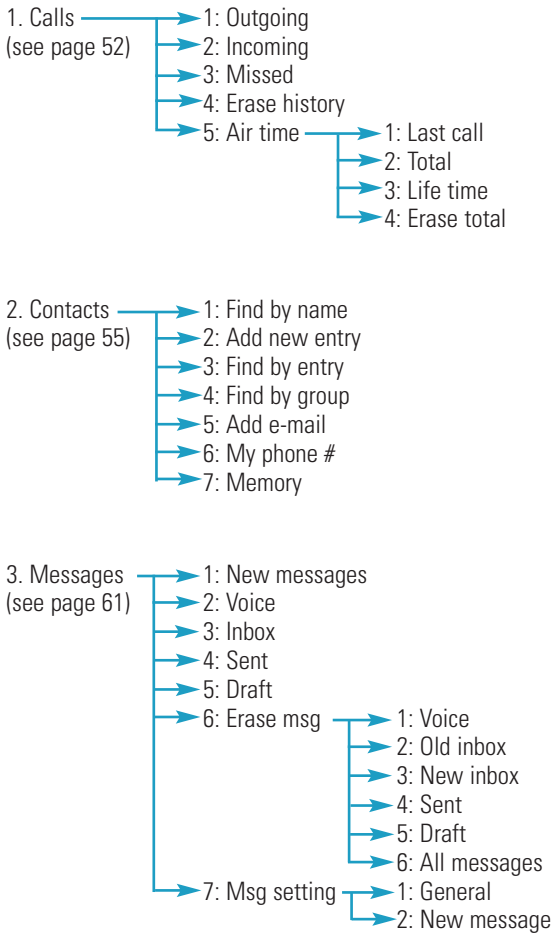
   Example: Changing the ringer type for voice calls

   Press [5 JKL], [2 ABC], and [1].

   5 for **Sounds**, **2** for **Ringer type** and **1** for **Voice calls** menu function.

3. Find the setting of your choice pressing [▲] or [▼] and then press [...] to confirm the chosen setting.

List of Menu Functions



4. Planner (see page 66)
- 1: Today
- 2: Scheduler
- 3: Task list
- 4: Memo pad
- 5: Alarm
- 6: Calculator
- 7: World time
- 8: Count down
- 9: Set time

5. Sounds (see page 75)
- 1: Ringer volume
  - 1: Calls
  - 2: Messages
  - 3: Alarm/Schedule
- 2: Ringer type
  - 1: Voice calls
  - 2: Messages
  - 3: Alarm/Schedule
- 3: Key beep
- 4: Alerts
  - 1: Minute beep
  - 2: Service
  - 3: Connect
  - 4: Disconnect
  - 5: Fade
  - 6: Roam
- 5: Voice volume
- 6: Roam ringer
- 7: Tone length
- 8: Power on/off

Using the Menus

6. Display (see page 79)
- 1: Menu style
- 2: Wallpaper
- 3: Backlight
- 4: Banner
- 5: Contrast

7. Setup (see page 90)
- 1: Auto CSP
- 2: Auto key lock
- 3: Auto answer
- 4: Call answer
- 5: Auto retry
- 6: Auto hyphen
- 7: Language
- 8: Select NAM
- 9: Set system
- 0: Version

8. Security (see page 97)
- 1: Lock phone
- 2: Change lock
- 3: Restriction
- 4: Emergency #
- 5: Send PIN
- 6: Erase contacts
- 7: Reset phone

Calls

You can use the **Calls** menu to:

- View and dial the last outgoing, incoming or missed numbers.
- Erase the numbers in the call log memory.
- View the duration of calls.

Outgoing *Menu 1-1*

Note: You can also access this menu by pressing in Standby mode.

The phone stores up to 20 outgoing calls you dialed. When you access this menu, a list of outgoing calls is displayed.

1. Scroll to the desired number (or name if saved in the Contacts).
2. Press to select the highlighted number. The dialed number (and name if stored in the Contacts) is displayed.
3.

To...	Press...
place a call to the displayed number	.
use the menu options	. For details about the options, see the following page.
exit the call log and return to Standby mode	.

When you access the menu options, the following options are available:

Talk: dials the selected number.

Save: allows you to save the number in the Contacts.

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

Incoming *Menu 1-2*

This option lets you view the last 20 calls received if you are subscribed to the caller ID service. When you access this menu, a list of the incoming calls is displayed.

For further information on scrolling through the list and accessing the call log, see “Outgoing” on page 52.

Missed *Menu 1-3*

If Caller Line Identification is available (contact your service provider), your phone keeps a list of 20 missed calls that you failed to answer.

For further information on scrolling through the list and accessing the call log, see “Outgoing” on page 52.

Erase history

Menu 1-4

You can erase the entries stored in each of the three call logs; outgoing, incoming or missed calls. You can also erase all three logs at one time.

When you see a confirming message, press to erase the log. If you want to cancel, press .

Air time

Menu 1-5

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

Note: This feature is not intended to be used for billing purposes.

The following options are available:

Last call: shows the air time of the last call.

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

Life time: shows the number and total duration of all calls made to or from your phone since the phone was shipped from the factory. The lifetime cannot be deleted even though you reset your phone using the **Reset phone** or **Erase contacts** feature.

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

Contacts

The Contacts allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to place a call without having to remember or enter the phone number. You can store up to 500 numbers, each having up to 7 different numbers.

Find by name

Menu 2-1

This option allows you to find an entry by entering a person's name.

1. Press or to scroll to the desired name.

   Or enter the first few letters of the name you want to find. The phone shows the first entry matching your input.

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

   Note: All of the numbers assigned to an entry display, including numbers stored into different categories. Press or to find the number you want.

3. Press to place a call.

If you press [...] with viewing the details, you can access the following options:

Talk: dials the number.

Add #: allows you to add a new entry or a number to the current entry.

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

Prepend: allows you to add digits, such as area codes and network feature activation codes to a phone number.

Erase: erases the number.

Name ring: allows you to specify a unique tone or melody to alert you to an incoming call from the number.

E-mail addr: allows you to store an e-mail address in the entry.

Add new entry *Menu 2-2*

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

Creating a New Entry

1. When you are prompted to confirm adding a new entry, press [...].
2. Enter a phone number and press [...].
3. Highlight the desired option you want to customize by pressing [▲] or [▼]. The following options are available:
   - **New name**: allows you to enter a name of up to 12 characters. For further information on how to enter text, see page 39.
   - **Entry**: the first available location displays. If necessary, enter the location number using the number keys.
   - **Secret**: allows you to set the number to secret. This prevents a number from being displayed when it is accessed or dialed by unauthorized users. Only a person with your phone's lock code can view the secret number.
   - **Speed dial**: allows you to select the category of number to be stored. The available categories are **Speed dial**, **Home**, **Office**, **Mobile**, **Pager**, **Fax**, and **No label**.
   - **Relation**: allows you to select one of four predefined relation groups, where the entry is included. Grouping the entries enables you to locate only the numbers in the desired group.

- **Inactive**: allows you to specify a unique ring type for the entry. By selecting different tones, incoming voice calls having a caller ID can be distinguished from those that do not.

4. To edit the option setting, press . Select the desired setting by pressing or , or enter the required name or number. Press to accept your input or selection.

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

6. Press to save the entry.

Storing Phone Numbers at Call's End

To store a phone number at the end of your call:

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

2. To store the phone number, press .

3. Follow the instructions in "Creating a New Entry" on page 57.

Find by entry

Menu 2-3

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

1. Enter the location by pressing the numeric keys.

2. When the desired entry highlighted, press to view the details, press to make a call to the number.

   Note: All of the numbers assigned to an entry display, including numbers stored into different categories. Press or to find the number you want.

While viewing entry details, you can access the menu options by pressing . For further information on the options, refer to the **Find by name** menu on page 55.

Find by group

Menu 2-4

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

1. Press or until the group containing the entry you want appears at the bottom of the display.
   The phone lists all entries in the selected group.

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

3. Press to view the details or to make a call.

Add e-mail

Menu 2-5

This option allows you to store an e-mail address instead of a number.

1. When the phone asks if you want to add a new entry, press .
2. Enter the e-mail address and press . For further information about entering text, see page 39.
3. Follow from step 3 in "Creating a New Entry" on page 57.

My phone

Menu 2-6

This option shows your own phone number.

After viewing the number, pressing C or returns to Standby mode.

Memory

Menu 2-7

Using this menu option, you can check how many names and numbers are stored in the Contacts and how many free locations remain.

Messages

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

When the phone receives a message, an alert sounds, a text notification displays along with the name and phone number of the caller if available. The New Message icon ( ) remains on the screen until you read the new text, numeric page or web browser message, or until you listen to the new voicemail messages.

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

Note: You can quickly access the **Messages** menu by pressing in Standby mode.

Message-related Icons

Duplicated message: indicates that a duplicated messages was sent.

Filed Message: displays if a message has been filed.

Message sent: displays when outgoing messages are transmitted.

Message read: displays when you have read a message.

Message received: indicates that an incoming text, voicemail, page or browser message has been received.

Multi messages: displays if multi messages are successfully delivered.

Message delivered: displays if a sent message is delivered.

Message failed: displays if a message was not sent.

Urgent message: displays if a message is urgent.

New messages

Menu 3-1

You can create short text messages and numeric pages, and then send them to other mobile numbers.

Note: Message transmission is only supported in digital networks and if service is provided by your service provider.

1. Enter a destination phone number or an e-mail address using the numeric keys and press .

   You can select a number from your Contacts by pressing .

2. Enter the message contents or a numeric page. For further details about how to enter text, see page 39.

3. When you finish entering the message, press .

4. Press or to select one of the following option and press to edit your input or setting.

   - **Send to**: edits the destination phone number you entered in step 1.
   - **Msg**: edits the message contents you entered in step 2.
   - **Call back #**: edits the callback number. Enter the new number to replace the current number. The default call back number is your phone number.
   - **Options**: allows you to change the message options. Press or to scroll to the required item and press to change the setting.
     - **Priority**: select the message priority.
     - **Delivery ack**: turn the delivery acknowledgment feature on or off. when this is activated, the network informs you of whether or not the message has been read by the recipient .
     - **Message**: set if the phone will save the message in the outbox after transmission. When you select **Prompt save**, the phone will ask if you want to save the message.
   - **Draft**: stores the message in the **Draft** menu (**Menu 3-5**).

   Note: The **Call Back**, **Delivery Ack**, and **Message** options can be preset to default values in the **Msg setting** menu (**Menu 3-7**).

5. Press to send the message.

Voice

Menu 3-2

When a new voice message is received, the voicemail notification displays. If multiple new voicemails are received but not reviewed, only the last received voicemail information will be displayed. The display information will include time/date stamp, the total number of the new voicemails, and the callback number.

Press and the sender's callback number, if available, or the voice server number is displayed. To listen to the message, press again to connect to the voice server and and follow the voice prompt.

When you access the **Voice** menu, information of the latest voice message is displayed. To listen to the message, press twice.

Inbox

Menu 3-3

Your phone can store up to 40 pages and text messages all together in the Inbox, Outbox and Filed Message box. If the message memory is full, a warning message is displayed and the phone rejects additional messages until you erase the obsolete ones.

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

You can dial the callback number of the message by pressing twice.

While viewing a message, press to access the following options:

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

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

Delete: deletes the message from the Inbox.

Save addr: allows you to save the sender's phone number into the Contacts. For further information about storing a number, see page 57.

Outbox

Menu 3-4

Your phone can store up to 40 pages and text messages all together in the Inbox, Outbox and Filed Message box. You can review or resend the messages stored in the Outbox, if needed.

Press ▲ or ▼ to scroll to the desired message and press ···. The display shows the time and date when the message is created, the designated number (and name if saved in the Contacts) and the message contents. If necessary, press ▲ or ▼ to scan through the contents.

While reviewing a message, press ··· to access the following options:

Re-send: allows you to resend the message. For further information about sending a message, see page 103.

Delete: deletes the message from the Outbox.

Draft

Menu 3-5

Your phone can store draft messages that are yet to be sent in the filed message folder. You can access this folder at a later time to edit and send the message.

To store a message to the filed message box:

1. Follow the process of writing a new message on page 103.
2. When you finish inputting the message, press ··· for options.
3. Select **Draft**, and press ···. The message is stored in the Draft box.

When you access the **Draft** menu, the list of the stored messages appears. Press ▲ or ▼ to scroll to one of the messages in the list and press ···.

While viewing a message, press ··· to access the following options:

Edit: allows you to edit and send the message.

Delete: deletes the message.

Erase msg *Menu 3-6*

Using this menu option, you can erase all messages in each of five message boxes; **Voice** mail box, **Old inbox**, **New inbox**, **Sent** and **Draft** message box. You can also erase all of the messages at one time by selecting the **All messages** option.

Msg setting *Menu 3-7*

Using this menu, you can set up various options for messages.

General (*Menu 3-7-1*)

You can set up the following options for incoming messages.

Scroll timer: If an incoming message is too long for the display, the phone displays it by scrolling the screen automatically. You can set the screen to scroll automatically or not.

- **1~5 seconds**: set how often the phone scrolls to the next screen.
- **Off**: you need to scroll to the next screen manually using ▲ or ▼.

Msg reminder: when a message is received, the phone alerts you by sounding the selected ringer. You can set how often this will happen.

- **Off**: the phone doesn't alert you.
- **Once**: the phone alerts you just once.
- **Every 2 min**: the phone alerts you every 2 minutes.

Voice mail #: You can view the number of the voice mail center. If necessary, edit the number and press ···.

New message (*Menu 3-7-2*)

You can set up the default settings of following options for creating a new message.

Callback #: allows you to set the call back number. Your phone number is preset at the factory.

Save message: allows you to set whether you want the transmitted message to be saved in the Outbox or not.

- **Do not save**: the phone does not save the message.
- **Prompt save**: the phone asks you if you want to save it or not.
- **Auto save**: the phone saves the message automatically.

Entry method: allows you to select the text input mode between **T9 word** and **Alphabet** (ABC).

Delivery ack: allows you to activate or deactivate the delivery acknowledgement feature. Select **On** to turn on the feature or **Off** to turn it off.

Canned msg: allows you to edit 10 canned messages. You can use the messages when writing a message.

Planner

The Scheduler feature enables you to:

- Keep track of important dates and events and view the calendar.
- Create a list of things to do.
- Check the current time in another part of the world.
- Use the phone as a calculator.
- Set an alarm to ring at a specified time.

Today

Menu 4-1

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

Scheduling an Event

1. Enter your event contents.

   You can enter up to 32 characters. For more information about entering characters, see page 39.

2. Press [...] to accept your input.

3. Enter the start time using the numeric keys and press [...] .

   You can move to each input field using [◄] and [►] . You must enter the hour in a 12-hour format. Press [2 ABC] for **A** (AM) or press [7 PQRS] for **P** (PM).

4. Enter the end time and date using the numeric keys and press .

5. Select when the alarm will inform you of your event by pressing or . Selecting **No alarm** means that the phone will not ring the alarm.

6. Press to save your event.

Viewing an Event

The first event of the current day is displayed when you select the **Today** menu option. Press or to select the event you want to view.

To scroll through the event details, press or .

While viewing an event, the following options are available when you press .

Add new: allows you to add a new event.

Edit: allows you to edit the current event.

Erase: allows you to erase the current event.

Erase all: allows you to erase all of the events.

Scheduler

Menu 4-2

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

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

Scrolling through the Calendar

- You can move right or left one day by pressing or .
- You can move up or down one week by pressing or .

On the calendar, the following options are available when you press .

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

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

Creating a New Event

1. Select a day from the calendar, referring to “Scrolling through the Calendar” above and press .

2. Schedule a new event, following from step 1 on page 66.

Viewing an Event

Days with scheduled events are indicated by a underline on the calendar when you access the **Scheduler** menu. Select one of them, and press . The first event of the day is displayed.

If necessary, when an event is displayed, press to access the options. For further details on the options, refer to "Today" on page 66.

Task list

Menu 4-3

This feature allows you to enter up a list of tasks to be done and assign both a priority and a deadline to each task.

Creating a Task Item

1. Enter the first task.

   You can enter up to 32 characters. For further details on how to enter characters, see page 39.

2. Press to confirm your input.

3. Enter your deadline using the numeric keys, and press .

   You can move to each input field using and . You must enter the hour in a 12-hour format. Press for **A** (AM) or press for **P** (PM).

4. Select high or low priority using or and then press to store the task.

Viewing a Task Item

The first task is displayed with the deadline and the associated priority (**!** for High or **-** for Low) when you select the **Task list** menu.

Scroll to the task you want to view by pressing or .

While viewing a task, the following options available when you press .

Add new: allows you to add a new task.

Edit: allows you to edit the current task.

Erase: allows you to erase the current task.

Erase all: allows you to erase all of the tasks.

Memo pad

Menu 4-4

This menu allows you to write down memos about anything you need to remember.

Writing a New Memo

1. Enter the memo.

   For further details on how to enter characters, see page 33.

2. Press to store the memo.

Viewing a Memo

The list of your memos displays when you access the **Memo pad** menu.

While viewing the memo list, press to use the following options:

Add new: allows you to add a new memo.

Erase: allows you to erase the selected memo.

Erase all: allows you to erase all of the memos.

To view details, press the Navigation keys to scroll to a memo and press . You can use the options above by pressing .

Alarm *Menu 4-5*

This option allows you to set an alarm to ring at a specific time or release it.

To set an alarm:

1. Select the alarm frequency option by pressing or and press .
   - **Once**: the alarm rings only once and is then deactivated.
   - **Daily**: the alarm rings every day at the same time.

3. Enter the required time for the alarm to ring using the numeric keys.

   You can move to each input field using and . You must enter the hour in a 12-hour format. Press for **A** (AM) or for **P** (PM).

4. Press to save the setting.

To stop the alarm when it rings, press any key.

Calculator *Menu 4-6*

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

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

1. Enter the first number using the numeric keys.
2. Set the operation for your calculation by pressing the Navigation keys until the required arithmetic symbol appears: **+** (add), **-** (subtract), **x** (multiply), **/** (divide).
3. Enter the second number.
4. To get the result, press .
5. Repeat steps 1 to 4 as many times as required.

   Each time you change the operator, the previous calculation is performed and the result is displayed as the top number on the display.

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

World time *Menu 4-7*

You can use this menu option to find out what time it is in another part of the world.

Select the city corresponding to your time zone by pressing ▲ or ▼ one or more times. The local time and date display.

Count down *Menu 4-8*

This menu help you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific day arrives. You can create up to 20 Count down timers using this menu.

Creating a Count Down Timer

1. Enter a name for your new Count down timer and press ··· .

   For further details about entering text, see page 39.

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

   You can move to each input field using ◄ and ► . You must enter the hour in a 12-hour format.

   Press 2 ABC for **A** (AM) or press 7 PQRS for **P** (PM).

   Note: You can enter a year between 1980 and 2099.

3. Press ··· to save the timer.

Viewing a Count Down Timer

The first Count down timer is displayed when you select the **Count down** menu.

Scroll to the timer you want to view by pressing ◄ or ► .

While viewing a count down timer, the following options are available when you press ··· .

Add new: allows you to create a new timer.

Edit: allows you to edit the current timer.

Erase: allows you to delete the current timer.

Erase all: allows you to delete all of the timers.

Set time

Menu 4-9

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

To set the time and date:

1. Enter the current time and date using the numeric keys.

   The month, day, hour and minute must be entered with 2 digits. The year requires all four digits. You must enter the hour in a 12-hour format. Press 2 for **A** (AM) or 7 for **P** (PM).

2. When you finish entering the time and date, press to save it.

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

Sounds

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

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

Ringer volume

Menu 5-1

This menu option allows you to adjust the ringer volume for the following items:

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

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

Alarm/Schedule: allows you to adjust the ringer volume for alarm settings and schedule alarms.

For each items, you can select one of the following settings:

Level 1~5: you can adjust the volume level. The more bars you see, the louder the ringer.

Vibrate: the phone switches to Vibration mode. An incoming call vibrates the phone.

1-beep: the phone sounds a beep.

Silent: the phone does not sound the ringer.

High+Vib: the phone rings in the highest volume level and then vibrates.

Ringer type

Menu 5-2

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

This option allows you to set unique ringers for the following items:

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

Messages: allows you to have a distinctive ringer for incoming messages.

Alarm/Schedule: allows you to have a distinctive ringer for alarm settings and schedule alarms.

For each items, you can select a unique ringer type from 35 different tones or melodies. After you change it, it sounds for a few seconds.

Key beep

Menu 5-3

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

The graphic shows the volume level; the more bars you see, the louder the sound. No bar means that the key beep is turned off.

Alerts

Menu 5-4

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

The available alerts are:

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

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

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

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

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

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

Voice volume

Menu 5-5

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

The graphic shows the volume level; the more bars you see, the louder the sound.

Roam ringer

Menu 5-6

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

Choose **On** to use a distinctive ringer or **Off** to use a normal ringer.

Tone length

Menu 5-7

The tone length setting enables you to select **Long** or **Short** DTMF (Dual-Tone Multi-Frequency) tones. When you use a teleservice, such as accessing your bank account, and press the keys to enter numbers into the teleservice, you are sending DTMF tones. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital, as most are, short DTMF will almost always work.

Power on / off

Menu 5-8

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

Choose **On** to turn the sound on or **Off** to turn it off.

Display

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

Menu style *Menu 6-1*

This option allows you to set the style of showing the main menu list. **Horizontal** and **Vertical** are available.

Wallpaper *Menu 6-2*

You can select the background image (wallpaper) to be displayed in Standby mode. Select an image to be displayed by pressing the Navigation keys and press [...] .

Backlight *Menu 6-3*

You have several options for setting how the LCD backlight operates. Remember that backlight use drains your battery faster.

The following options are available:

8/30 seconds: the backlight comes on when you press a key or receive a call and switches off 8/30 seconds after the last key is pressed.

Always on: the backlight is always on.

Banner *Menu 6-4*

This option allows you to set a banner message to be displayed at the bottom of the display in Standby mode.

To change the banner:

1. If necessary, press [C] repeatedly to delete each letter of the old greeting. Press are hold [C] to remove the whole greeting.

2. Enter your banner message of up to 12 characters by using the alphanumeric keys.

   For further information on how to enter characters, refer to page 39.

3. When you finish entering the message, press [...] to save the new banner.

Contrast *Menu 6-5*

This option allows you to see the LCD screen better in different lighting conditions. Scroll through the contrast settings to make the screen darker or brighter.

Setup

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

Auto CSP (Carrier Selection Code) *Menu 7-1*

This menu allows you to automatically add the CSP (Carrier Selection Code) of your long-distance call service to your number when making a call.

On / Off (*Menu 7-1-1*)

This menu allows you to enable or disable the Auto CSP feature.

Select **Enable** to activate this feature or **Disable** to deactivate it.

Code setting (*Menu 7-1-2*)

This menu allows you to set the 2 digit carrier code to be added to the phone number.

Enter the carrier code you want and press .

Notes:
- Before setting the carrier code, you should enable the **On/Off** menu first.
- The code is added only when the phone number has 6, 7, 10, or 11 digits and starts with 0XX, for example, 012 or 015.

Auto key lock

Menu 7-2

This menu allows you to lock the keypad automatically after predefined time.

Select **Off** to unlock the phone.

Auto answer

Menu 7-3

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

To activate this feature, select how long your phone waits before answering an incoming call.

When this menu is option set to **off**, the phone does not answer an incoming call. If you do not answer the call, it is stored in the Missed call log (see page 53).

Call answer

Menu 7-4

This menu option allows you to select how to answer an incoming call.

The following options are available:

Any key: the phone answers when you press any key except .

SEND key: the phone answers only when you press .

Auto retry

Menu 7-5

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

To activate this feature, select how often the phone will automatically retry the call.

Select **off** to deactivate this feature.

Auto hyphen

Menu 7-6

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

Language

Menu 7-7

You can change the language of voice prompts, menus and key-input.

Select the language from **English**, **Spanish**, and **Portuguese**.

Select NAM

Menu 7-8

NAM stands for numerical assignment module, essentially your telephone number. Your Samsung phone can store two NAMs. This means you can have two phone numbers on your phone, and you can quickly and easily switch your service back and forth between the two numbers.

Select **NAM 1** or **NAM 2**. If you change the NAM, the phone will reboot and acquire service using the new NAM setting.

Set system

Menu 7-9

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 information about this service or the best roaming methods for you.

The following options are available:

Pref A only: in a wireless service area, there are usually two service providers which are referred to as A and B. Your service provider will provide you information about this when you set up service. With this setting, you will only be able to roam in the "A" network or system.

Pref B only: this works just like the "Pref A only" setting except you will only be able to roam in the "B" network or system.

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 icon ( ) is displayed. In some service areas an operator may come on line asking you how you would like to pay for the call.

Standard: this option allows you to provide the best system automatically.

Version

Menu 7-0

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

Security

Your phone provides many security options, including a user-programmable lock code and call restriction features.

To access the security menu, you need to enter a four-digit lock code. The lock code is preset to "0000" at the factory.

Lock phone *Menu 8-1*

In Lock mode, you cannot dial number, except for making an emergency call, or accessing menu options. You can receive incoming calls and messages, even though the phone is locked.

The following options are available:

Unlocked: the phone remains unlocked.

On power-up: the phone locks automatically the next time you turn the phone on.

Lock now: the phone locks immediately.

To place an emergency call, enter the number and then press . The phone recognizes standard emergency number, and three emergency numbers saved via the **Emergency #** menu option (**Menu 8-4**); see page 99.

To unlock the phone, press and enter the lock code.

Change lock *Menu 8-2*

You can change your current lock code to a new one. The lock code is preset to "0000" at the factory.

Enter a new four-digit lock code, and your phone prompts you to enter the code again. Re-enter the lock code. The phone saves the new code and automatically returns to Standby mode.

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

Restriction *Menu 8-3*

This feature allows you to restrict all your outgoing calls. You cannot make any call, except for emergency calls (see below).

Select **Yes** to use the call restriction feature or **No** to release the feature.

Emergency # *Menu 8-4*

Your phone provides the option of storing emergency numbers. These numbers can be manually dialed at any time, even though your phone is locked or all outgoing calls are restricted. You can store up to three emergency numbers.

To store an emergency number:

1. Select a location using a numeric key, ▲ or ▼ , followed by ⋯ .
2. Enter the required number. Each number can be up to 32 digits long.

   If there is a number already stored, delete the number using C .
3. Press ⋯ to save the number.

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

Send PIN

Menu 8-5

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

This feature prevents your phone from being used by unauthorized people. Contact your service provider for complete information on this feature.

The following options are available:

Never: the option is not activated.

Prompt: each time you make a call, you are asked to enter your PIN.

Erase contacts

Menu 8-6

This menu allows you to erase all the numbers in the Contacts and in the voice-dial list.

When a confirming message displays, press ⋯ to clear the memory.

The phone restores the default settings, and then returns to Standby mode.

Reset phone

Menu 8-7

Resetting the phone erases all of your saved options and information and returns them to the factory default settings, except for the Contacts entries and SMS messages.

When a confirming message displays, press ⋯ to reset the phone.

The phone turns itself off and back on, restores the default settings, and then returns to Standby mode.

Health and Safety Information

Precautions When Using the 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, including 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 9-1-1 or other local emergency number, as you would want others to do for you.

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

Operating Environment

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

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 distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 15 cm (6 inches) 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 potential 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 wish 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 it is 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 require you to do so.

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 refuelling 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 on any wireless phone for essential communications (medical emergencies, for example).

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

If certain features are in use (call barring, for example), you may first need to deactivate those features 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 applicable to the device.
- 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 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 is 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 fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not touch the terminals on the battery or charger with wet hands. Doing so may give you an electronic shock or cause explosion. Touching the plug of the charger with wet hands may give you an electronic shock or cause a fire.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and 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 Multi-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.

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.

Index

The index will updates when the manual is fixed.

A

Accessories • 9
Air time (**1-5**) • 54
Alarm (**4-8**) • 74
Alerts (**5-4**) • 77
Auto hyphen (**6-7**) • 82
Auto answer (**9-2**) • 90
Auto retry (**9-1**) • 90

B

Backlight (**6-1**) • 15, 79
Banner (**6-2**) • 80
Battery
- charging • 19
- installing • 17
- low battery indicator • 20
- removing • 18
- precautions • 115

C

Calculator (**4-7**) • 73
Call
- answering • 33
- dialed • 52
- emergency •98, 122
- ending • 24
- forwarding • 38
- from contacts • 55
- incoming (**1-2**) • 53
- making • 24
- missed • 36, 53
- outgoing (**1-1**) • 52
- redialing last • 25
- restrict (**0-2**) • 98
- three way • 37
- waiting • 38

Call answer (**9-3**) • 91
Caller ID • 35
Care • 124
Characters, entering • 39
Charging batteries • 19
Clearing memory (**0-6**) • 100
Connect tone • 77
Correcting number • 24
Contrast • 83
Cover, replacing • 16
Countdown (**4-5**) • 71

D

Data/fax
- alert • 77
- receiving/sending •94
- menu (**9-7**) • 93

Dialing
- pause • 28
- prepend • 26
- speed • 27
- voice • 31, 84

Disconnect tone • 77
Display
- backlight • 15, 79
- contrast • 83
- icons • 13
- language • 81
- layout• 13
- menu (**6**) • 74

DTMF tone
- length (**9-4**) • 91
- sending • 34

E

Emergency number (**0-4**) • 98
Erasing logs (**1-4**) • 53

F

Finding
- entry (**2-3**) • 59
- name (**2-1**) • 55

G

Games (**8**) • 89

I

Icons • 13
Inbox (**OK-3**) • 106
In-call options • 34
Incoming calls (**1-2**) • 53
Incoming data/fax (**9-7**) • 93
Installing battery • 17
Internet • 61

J

Jump to date (**4-3**) • 69

K

Key beep (**5-3**) • 76
Keys
- description • 11
- location • 10

L

Language (**6-5**) • 81
Last number redialing • 25
Letters, entering • 39
Listening
- voicemail • 105

Lock code (**0-3**) • 98
Lock mode (**0-1**) • 97
Low battery indicator • 20

M

Maintenance • 124
Memory, clearing (**0-6**) • 100
Menu
- list • 48
- scrolling • 46
- shortcuts • 47
- style (**6-9**) • 83

Messages
- filed • 108
- incoming • 106
- outgoing • 107
- ringer • 111
- setup • 110
- voice • 105
- web • 109
- writing new • 103

Minute beep • 77
Missed calls (**1-3**) • 53
Modes
- phone • 22
- text input • 39

Mute
- key tones • 34
- microphone • 34

N

Names
- entering • 39
- searching/dialing • 55

NAM setting (**9-5**) • 92
Network, setting (**9-8**) • 95
Number
- correcting • 24
- my phone (**6-4**)• 81
- searching/dialing • 59
- storing in the contacts • 57

O

Outbox (**OK-4**) • 107
Outgoing calls (**1-1**) • 52

P

Phone
- layout • 10
- locking • 97
- my number (**6-4**) • 81

Contacts (**2**) • 55
PIN, sending (**0-5**) • 99
Power on/off sound (**5-7**) • 78
Power save mode • 23
Prepend dialing • 26

R

Received Messages • 106
Redialing
  automatic • 90
  last call •25
Removing battery • 18
Replacing covers • 16
Reset phone (**0-7**) • 100
Restrict (**0-2**) • 98
Ringer
  type • 76
  volume • 75
Roam ringer (**5-6**) • 78

S

Safety
  batteries • 115
  information • 112
  precautions • 7
Scheduler (**4**) • 66
Searching/dialing
  entry • 59
  name • 55
Security (**0**) • 97
Selecting system (**9-6**) • 92
Service alert • 77
Set time (**6-6**) • 82
Setup (**9**) • 90
Sounds (**5**) • 75
Speed dialing • 27
Standby mode • 22
Switching on/off
  microphone • 34
  phone • 21

T

Talk mode • 22
Task list (**4-4**) • 70
Text, entering • 39
Today (**4-1**) • 66
Tone length (**9-4**) • 91
Transmitted message • 103
T9 text mode • 39

U

Unpacking • 9

V

Voice mail (**OK-2**) • 105
Voice volume (**5-5**) • 78
Volume, adjusting
  voice • 32, 78
  ring • 32, 75
  key • 32, 76

W

Web (**3**) • 61
Whisper mode (**9-9**) • 95
World time (**4-6**) • 72
Writing new message • 103

SAMSUNG SCH-N345 Quick Reference Card

BASIC OPERATION

Make a call	Phone number +
End a call	/
Receive a call	
Adjust ringer volume for calls	*(in Standby mode)* ▲ / ▼ on the left side
Adjust speaker volume	*(during a conversation)* ▲ / ▼ on the left side
Redial the last call	twice
Switch to Silent mode	Hold #
Initiate voice dialing	Hold ✱ or the button on the ear-microphone.

INTERNAL PHONE BOOK

Store a new number into	Phone number + **OK** + **OK** + ▼ + **MENU** + Name + **OK** + ▼ + **MENU** + Entry + **OK** + ▼ + **MENU** + Secret + **OK** + ▼ + **MENU** + Category + **OK** + ▼ + **MENU** + Relation + **OK** + ▼ + **MENU** + Ringer + **OK** + **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 (100~500): *Press the first and the second digit briefly, then hold down the third.*
Scan memories • Location • Name	▲ + Location (Or ▲/▼) + **OK** ▼ + Name (Or ▲/▼) + **OK**

MENU TREE

Main Menu *(To access, press [...])*

- 1 : Calls
  - 1 : Outgoing
  - 2 : Incoming
  - 3 : Missed
  - 4 : Erase history
  - 5 : Air time
- 2 : Contacts
  - 1 : Find by name
  - 2 : Add new entry
  - 3 : Find by entry
  - 4 : Find by group
  - 5 : Add e-mail
  - 6 : My phone #
  - 7 : Memory
- 3 : Messages
  - 1 : New messages
  - 2 : Voice
  - 3 : Inbox
  - 4 : Sent
  - 5 : Draft
  - 6 : Erase msg
  - 7 : Msg setting
- 4 : Planner
  - 1 : Today
  - 2 : Scheduler
  - 3 : Task list
  - 4 : Memo pad
  - 5 : Alarm
  - 6 : Calculator
  - 7 : World time
  - 8 : Count down
  - 9 : Set time
- 5 : Sounds
  - 1 : Ringer volume
  - 2 : Ringer type
  - 3 : Key beep
  - 4 : Alerts
  - 5 : Voice volume
  - 6 : Roam ringer
  - 7 : Tone length
  - 8 : Power on/off
- 6 : Display
  - 1 : Menu style
  - 2 : Wallpaper
  - 3 : Backlight
  - 4 : Banner
  - 5 : Contrast
- 7 : Setup
  - 1 : Auto CSP
  - 2 : Auto key lock
  - 3 : Auto answer
  - 4 : Call answer
  - 5 : Auto retry
  - 6 : Auto hyphen
  - 7 : Language
  - 8 : Select NAM
  - 9 : Set system
  - 0 : Version
- 8 : Security
  - 1 : Lock phone
  - 2 : Change lock
  - 3 : Restriction
  - 4 : Emergency #
  - 5 : Send PIN
  - 6 : Erase contacts
  - 7 : Reset phone

Telefone Celular Modelo SCH-N345

Nº série eletrônico _____

DADOS DO COMPRADOR

Nome: _____

_____

Endereço: _____

_____

ESPAÇO A SER PREENCHIDO PELO REVENDEDOR

Revendedor: _____

_____

Cidade: _____

Carimbo do Revendedor:

IMPORTANTE: A garantia somente será válida se este Certificado de Garantia for completamente preenchido no ato da compra pelo revendedor e apresentado junto com a Nota Fiscal original de venda deste telefone celular.

SAMSUNG
ELECTRONICS

GARANTIA LIMITADA DA SAMSUNG PARA TELEFONES CELULARES ADQUIRIDOS NAS REVENDAS AUTORIZADAS NO BRASIL

I. ABRANGÊNCIA E PRAZO DE GARANTIA

SAMSUNG ELETRÔNICA DA AMAZÔNIA LTDA. (SAMSUNG), garante os telefones celulares e acessórios (exceto baterias) contra defeitos de material e mão-de-obra, em condições normais de uso e manutenção, pelo prazo de 3 (três) meses legal, mais 9 (nove) meses de garantia adicional, num total de 1 (um) ano a partir da data de aquisição do aparelho, identificada pela Nota Fiscal do produto e pelo preenchimento deste certificado. No caso de telefones ou acessórios que sejam instalados em veículos, o prazo será contado a partir da data de aquisição dos mesmos.

A SAMSUNG sem nenhum custo para o usuário, consertará ou substituirá o telefone celular ou acessórios, durante o prazo de garantia, desde que este seja enviado a uma assistência técnica SAMSUNG CELULAR, de acordo com os termos desta garantia, acompanhado deste certificado de garantia e da respectiva nota fiscal emitida no Brasil. O conserto, a critério da SAMSUNG, poderá incluir a substituição de peças ou placas, por novas ou recondicionadas equivalentes. Os telefones celulares, acessórios, baterias, peças ou placas substituídas serão garantidas pelo restante do prazo original. Todos os acessórios, baterias, peças, placas, equipamentos de telefones celulares e acessórios substituídos se tornarão propriedade da SAMSUNG.

II. CONDIÇÕES DE GARANTIA

A SAMSUNG não assume qualquer obrigação ou responsabilidade por acréscimos ou modificações desta garantia, salvo se efetuadas por escrito em caráter oficial. Exceto se houver contrato escrito separado entre a SAMSUNG e o usuário, a SAMSUNG não garante a instalação do equipamento ou acessório. A SAMSUNG não será de forma alguma responsável por qualquer acessório que não seja de seu fornecimento, que anexado ou usado com seus telefones celulares, ou pelo funcionamento de seus telefones ou acessórios com quaisquer outros acessórios que não os fornecidos pela SAMSUNG. Tais acessórios estão expressamente excluídos da garantia, e a SAMSUNG não será responsável por quaisquer danos causados ao produto, resultantes de tais fatos.

III. ITENS EXCLUÍDOS DESTA GARANTIA

A garantia não cobre:

(a) Defeitos ou danos resultantes do uso anormal pelo cliente do produto, como superfícies plásticas e outras peças expostas externamente arranhadas, trincadas ou quebradas, bem como derramamento de alimentos ou líquidos de qualquer natureza;

GARANTIA LIMITADA DA SAMSUNG PARA TELEFONES CELULARES ADQUIRIDOS NAS REVENDAS AUTORIZADAS NO BRASIL

(b) Defeitos ou danos decorrentes de testes, instalação, alteração, modificação de qualquer espécie em nossos produtos, bem como o conserto realizado por outras oficinas que não sejam SAMSUNG CELULAR; (c) Quebra ou danos que não foram constatados no ato da aquisição (gabinete, antena, acessórios, etc) ; (d) Produtos que tenham tido o número de série removido, adulterado ou tornado ilegível; (e) Defeitos e danos decorrentes a utilização de componentes e acessórios não originais SAMSUNG (gabinete, antena, display, peças em geral, etc.); (f) Defeitos e danos causados por agentes naturais (enchente, maresia, descarga elétrica e outros).

IV. BATERIA

A SAMSUNG garante pelo prazo de 3 (três) meses legal e mais 3 (três) meses adicionais, totalizando 6 (seis) meses de garantia a partir da data de aquisição da bateria. Esta garantia não se aplica, qualquer que seja o tipo de bateria, se: (a) As baterias forem recarregadas por carregadores que não sejam originais da SAMSUNG; (b) Qualquer dos selos da bateria tiver sido violado ou contiver evidências de adulteração; (c) As baterias forem utilizadas em equipamentos ou serviços que não sejam os equipamentos de telefonia celular para os quais tenham sido especificados.

V. CONSIDERAÇÕES GERAIS

O único recurso oferecido é o conserto, substituição de peça ou produto, à opção da SAMSUNG. Esta garantia substitui todas as outras garantias expressas ou tácitas, incluindo sem limitação, garantias tácitas de comercialidade e adequação a um fim específico. A SAMSUNG não oferece nenhuma garantia quanto à cobertura, disponibilidade ou nível dos serviços oferecidos pela companhia telefônica, em hipótese alguma a SAMSUNG será responsável por indenização superior ao preço da compra do telefone celular, por qualquer perda de uso, perda de tempo, inconveniência, prejuízo comercial, perda de lucros ou economias, por outros danos diretos ou indiretos, decorrentes do uso ou impossibilidade de uso do produto.

ATENÇÃO

Não recarregue as baterias SAMSUNG em carregadores que não sejam os originais. O uso destes carregadores pode ocasionar graves acidentes.

SAMSUNG
ELECTRONICS

Cidade: _____

CEP: _____

Estado: _____

Telefone: _____

Nº da Nota Fiscal: _____

Data da Compra: _____

Estado: _____

SERVIÇO CELULAR

0800 124 421

SUA LINHA DIRETA COM A SAMSUNG

Este produto está adequado para
uso no ano 2000 e subsequentes.

Licensed by QUALCOMM Incorporated under one or more of the following Patents.
U.S Patent No. 4,901,307 5,056,109 5,099,204
5,101,501 5,103,459 5,107,225
5,109,390