SAMSUNG

CELLULAR MP3 PHONE
SCH-M105
User's Manual

SAMSUNG
ELECTRONICS

FCC RF EXPOSURE INFORMATION

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

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

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

Body-worn Operation

This device was tested for typical body-worn operations using the optional belt-clip/holster placed 0.7 inches (1.8cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.7 inches (1.8cm) must be maintained between the user's body and the phone, including the antenna, whether extended or retracted. The use of third-party belt-clips/ holsters with no metallic components that provide the minimum separation distance of 0.7 inches (1.8cm) can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories or other body-worn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

Vehicle Mounted External Antenna (optional, if available.)

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

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

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USING THE MENUS

MP3 PLAYER

CALLS

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SOUNDS

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SECURITY

Safety Precautions and Important Notices

Read these simple guidelines. Failure to comply with these guidelines may be dangerous or illegal.

For more detailed safety information, see Safety Information on page xx.

ROAD SAFETY COMES FIRST

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

SWITCH OFF IN AIRCRAFT

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

SWITCH OFF NEAR BLASTING

Do not use the phone where a blasting operation is in progress. Observe restrictions, and follow any regulations or rules in force.

SWITCH OFF WHEN REFUELLING

Do not use the phone at a refuelling point or near fuels or chemicals.

INTERFERENCE

All mobile phone may be subject to radio interference, which may affect their performance.

QUALIFIED SERVICE

Only qualified service personnel must install or repair cellular equipment. Use only approved accessories and batteries.

USE SENSIBLY

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

IMPORTANT! Use only accessories approved by the phone manufacturer. This apparatus is intended for use when supplied with power from SAMSUNG approved Travel adapter and Desktop charger. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.

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

Getting Started

Unpacking

Your package contains the following items.

Handset	Battery	Travel Adapter
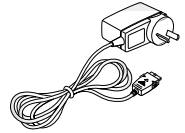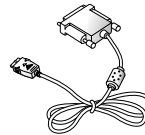
Download Cable	Necklace	Hand strap
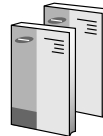
User's Manuals	Ear Microphone	Software CD-ROM
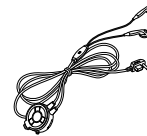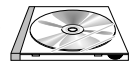
In addition, you can obtain the accessories for your phone from your local SAMSUNG dealer. For information on the accessories, see page xx.

Phone Layout

The following illustrations shows the main elements of your phone.

Antenna

Service Light

Earphone jack

Record key

Volume keys

Menu key

Send key

Clear/MP3 key

Voice Dial key

Microphone

Flip cover

Earpiece

Display

Scroll key

OK/Message key

End key

Alphanumeric keys

Vibration mode key

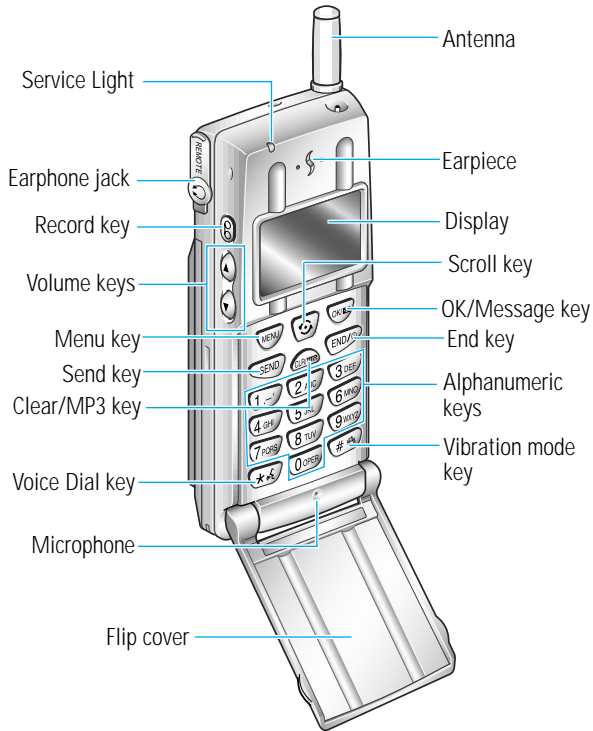| Key	Functions
MENU	Enters the menu facility. Also, scrolls through the menu options.
OK/✉	*In Standby mode,* enters the **Messages** menu. *In the menu facility,* selects a menu function or stores information that you have entered (such as a name in the phone memory).
⊙	*In the menu facility,* scrolls through the menu options and phonebook memory. *IIn Standby mode,* displays the Phone Book names.
SEND	Makes or answers call. *In Standby mode,* enters the Outgoing Call Log.
CLR/MP3	Deletes characters from the display. *In the menu facility,* returns to the previous menu level. *In Standby mode,* enters the MP3 Player mode when pressed and held.
END/①	Ends a call. Also, switches the phone on or off when pressed and held. *In the menu facility,* returns to the Standby mode and cancels your input.

| Key	Functions (Continued...)
⃝0 OPER / ⃝9 WXYZ	Enters numbers, letters and some special characters.
⃝★ ☆	*In Standby mode,* enters the **Voice Dial** mode when pressed and held.
⃝# ☏	*In Standby mode,* quickly changes to **Vibration** mode when pressed and held. (Refer to page xx).
⃝▲ ⃝▼	(On the side of the phone) *In Standby mode,* adjusts voice volume. *During a conversation ,* adjusts ringer volume. *In the menu facility,* scrolls through the menu options.
🔘	(On the side of the phone) *In Standby mode,* records voice memo. *During a conversation ,* records phone conversation.

Display

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

Icons

Text and graphic area

Icons
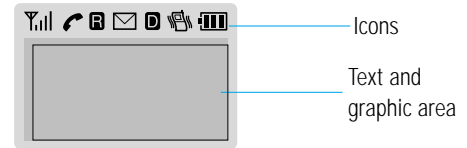
| Icon	Description
▼ıۜıۛۗı	Shows the received signal strength. The more bars you see, the stronger the signal is.
☎	Indicates a call is in progress.
✆	Indicates the phone is out of service area, and you cannot make or receive calls.
ᴙ	Appears when you are out of your home area and have registered with a different network (when travelling in other countries, for example).
✉	Indicates you have message(s) waiting. Press key to see the message menu.
D	Indicates a Digital mode. (will be deleted???????)
📳	Indicates a Vibration mode.
▮▮▮	Shows the level of your battery. The more bars you see, the more power you have left.

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 the **Backlight** option set in the **Setup** menu. The backlight remains on at all times when the phone is connected to a car kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**4.1**); see page xx for further details.

Service Light

The service light is in the top left-hand corner of the phone. It flashes when services are available on the phone.

Service light
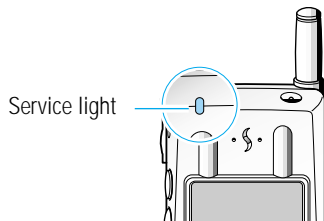
Installing Battery

To Install the Battery

1. Hold the battery so that the metal contacts on the base of the battery line up with the metal contacts on the base of the phone.

2. Place the battery on the back of the phone with the top of the battery about a quarter of an inch from the catch so that the battery engages with the slots molded into the body.
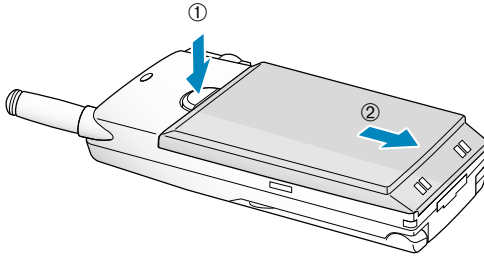
Catch

Contact
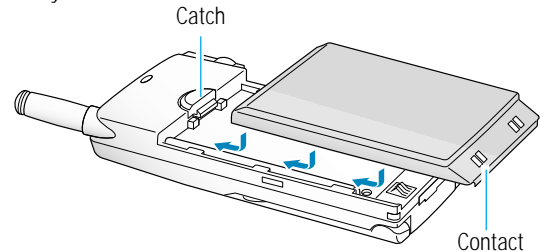
2. Gently slide the battery toward the top of the phone until it snaps into place.
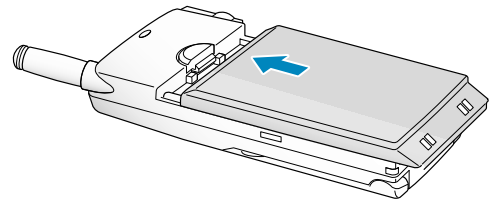
To Remove the Battery

If you want to remove the battery, do as follows:

1. If necessary, switch off the phone by holding down the
   [END/⏻] key until the **BYE BYE** message is displayed.

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

Charging a Battery

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

The phone can be used while the battery is charging.

Note: You must fully charge the battery before using your
phone for the first time. A discharged battery is fully
recharged in approximately 8~12 hours.

1. Plug the connector of the charger into the bottom of the
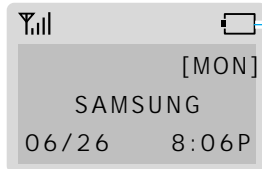   phone.
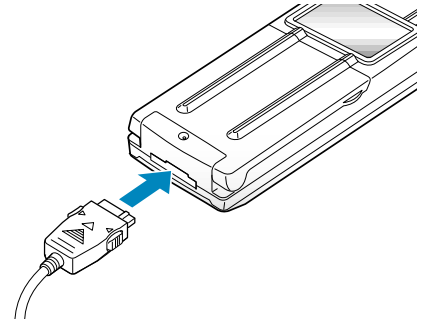
2. Connect the charger into a standard AC wall outlet.

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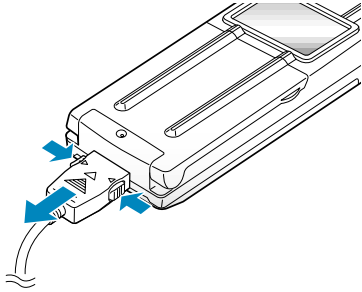
Low Battery Indicator

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

Battery is running out of power.

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

Switching the Phone On/Off

1. Open the flip cover.

2. Hold down the (END/⚙) key for more than one second to switch the phone on.

   The red light flashes, and an alert sounds:

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

   • If the system cannot locate service, the greeting message displays without the date and time. In this case, you cannot place and receive calls. You can try later when service is available.

   • If your phone is locked, the lock icon appears. Press the (MENU) key, and enter the four-digit lock code to unlock the phone.

3. When you wish to switch the phone off, hold down the (END/⚙) key for more than two seconds.

Standby Mode

Standby is the most basic state of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press the (END/☉) key. 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 the (SEND) key to dial it, or press the (OK/☰) key to save it in the internal phone book.

Press the (END/☉) key at any time to return to Standby mode. Be careful; if you are on a call when you press the (END/☉) key, you will return to Standby mode, but it also disconnects the call. Press the (OK/☰) key several times or hold it down to return to Standby mode without ending the call.

Power Save Mode

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

General Functions

Making a Call

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

Note: If you have set **Auto Retry** option (**6-1**) to **On** (see page xx), and the call does not connect, the phone automatically retries to make the call.

Correcting the Number

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

Ending a Call

When you have finished your call, briefly press (END/☉) or close the flip.

Priority Dialing

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

Prepend Dialing

The Prepend option lets you add digits such as area codes and network feature activation codes to a phone number that is in your Internal Phone Book or Call Logs. (The prepended phone number cannot be more than 10 digits)

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

1. Access the phone number entry.

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

3. Press the 4GHI key (3DEF key in Call Logs) to select the **Prepend** option.

4. Enter the area code or feature code.

5. Press the SEND key to dial the number.

Making a Call from the Phone Book

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

1. Press the ☺ key in standby mode.

   The screen shows the Name list stored in the Phone Book in alphabetical order.

2. Use the ☺ key to find the desired name. You can also enter the first letter of the name by pressing the associated alphanumeric key, then press the ☺ key to find the desired entry if necessary.

3. Press the SEND key to dial the stored number.

Speed Dialing

Once you have stored phone numbers in the phone book memory, you can dial them easily whenever you want.

In Standby mode, enter the number of the memory location and press the SEND key.

Or, you can dial the stored phone number automatically without pressing the SEND key. See next page.

One-Touch Dial

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

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

For example: Location no. 009
   Press ⑨ʷˣʸᶻ and hold.

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

Two-Touch Dial

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

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

For example: Location no. 023
              Press ②ABC briefly and hold down ③DEF.

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

Three-Touch Dial

Memory locations 100 through 229 are special three-touch locations.

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

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

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

Note :
When several numbers are saved in one location, only the phone number which is specified with **Set Speed Dial** option will be automatically dialed. For details, refer to the **Edit** option under Find Name menu on page xx.

Voice Dialing

Before using the Voice Dialing feature, you must record the name in your phone. For details, refer to page xx.

1. To place a call, press and hold ⬚ , or open the flip, depending on the **Set Active (5-4)** option (see page xx).

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

   • If the phone recognizes the name, the phone attempts a connection.
   • If the phone does not recognize the name, the screen prompts for the name again.
   • If the phone is unable to recognize the name after two attempts, the message **Cannot Recognize Name. Please check name** displays. Try the call again later, or check the recorded name.

Last Number Redial

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

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

2. Press ⬚ . The list of outgoing calls are displayed.

3. Use ⬚ (or ⬚ or ⬚ on the left side of the phone) to scroll through the list until you select the required name or number.

4. Press ⬚ to dial the number displayed.

Answering a Call

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

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

1. To answer a call, open the flip cover. If the flip is already open, press any key except for the ⬚ key.

   If the **Answer Mode** menu (**6-4**) is set to **By SEND** option, you can answer a call only by pressing the ⬚ key.

2. End the call by closing the flip cover or pressing ⬚ .

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

Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, if this service is available. In this way, you can call the person back simply by pressing the ⬚ key, if necessary.

The number of missed calls is displayed on the idle screen immediately after the call was missed.

To view the missed call, refer to '**Incoming**' **(1-2)** under '**Calls**' on page xx.

In-Call Options

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

Press the (MENU) key during a call to access the following in-call options:

Mute/Unmute: 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.

Phone Book: allows you to access the **Phone Book** menu.

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

Note: To communicate with answering machines or computerized telephony systems, the **Silent keys** option must be disabled.

Send Tel #: sends DTMF tones of your number.

My Phone #: shows your phone number.

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

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

Call Waiting

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

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

To answer a waiting call:

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

2. Press the (SEND) key again to switch between two parties.

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. You are billed airtime for each outgoing call separately.
Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, press the (SEND) key, enter the phone number for the third party, and then press the (SEND) key again. The phone places the other party on hold.

2. When the third party answers, press the (SEND) key again to connect with the original party.

Call Forwarding

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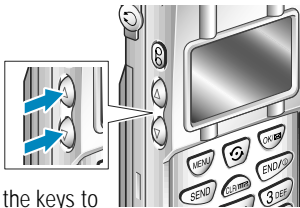
Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone. Press the $\bigcirc$ key to increase and the $\bigcirc$ key to decrease the volume.

Press the keys to adjust the volume.

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

Quick Switching to Vibration Mode

You can quickly switch your phone to vibration mode with a touch of the $\overline{\text{#}\text{⊛}}$ key. Press and hold the key until the 📳 icon and **- Vibrate -** appears in the display. Your phone goes to the vibration mode immediately.

Press and hold the $\overline{\text{#}\text{⊛}}$ key again to return to **Bell** ring mode.

This feature is convenient when you are in a hurry to mute the phone's ringer in a theater for example.

Recording a Voice Memo or Phone Conversation

With the $\textcircled{\text{R}}$ key on the left side of your phone, you can use the phone as a recorder. In Standby mode, it records a voice memo, and while you are on the phone, it records the phone conversation during a call.

Note: Your phone can record up to 99 items, and the maximum recording time for each item varies depending on the amount of available memory space. If the flash memory is already occupied with the MP3 files and other recorded messages, the recording time available will be shorter. To increase the memory space for new messages, delete messages when you no longer need them that you have listened to.

To Record a Voice Memo or Phone Conversation

1. To record a voice memo, press and hold the ⑧ key in Standby mode.
   To record a phone conversation, press and hold the ⑧ key while you are on the phone.

   The message "**Recording...**" displays, along with the timer.

2. To stop recording, press the ⑧ key again. For phone conversation, you can just hang up the phone to stop recording.

3. You are asked to enter the title for the recorded message. Enter the desired title up to 10 digits using the keypad. For details on entering characters, see page xx.

   • If you do not enter the title, the recorded date and time will be used to identify the memo.
   • If you make a call and record the conversation, the phone number is saved as the label when you do not add a title.
   • If you record the conversation which is held by someone's calling and do not enter a title, **No Label** is saved as the label.

4. Press the ⓞₖ⊠ key to save the recording.

To Review a Recorded Message

1. To review a recorded message, press the ⑧ key and press ①⁻ to select **1:Review**.

2. To review a voice memo, select **Normal** or press ①⁻.
   To review a recorded conversation, select **Calling** or press ②ₐ₆ᴄ.

   The phone displays the title or phone number for the latest message. The phone also displays the date and time when it was recorded.

3. Press the ⓞₖ⊠ key to play back the recorded message currently displayed.
   If you want to select another one, use the volume keys on the left side of the phone. When selected, press the ⓞₖ⊠ key to start playback.

4. Repeat as necessary.

To Erase a Selected Message

1. Press the ⑧ key and press ②ABC to select **2:One Erase**.

2. To erase one of the voice memos, press ①_ to select **1:Normal**.
   To erase one of the recorded conversations, press ②ABC to select **2:Calling**.

   The phone displays the title or phone number for the latest message. The phone also displays the date and time when it was recorded.

3. Use the volume keys on the left side of the phone to select the message you want to erase. When selected, press the ⊙OK/✉ key.

To Erase All Messages

1. Press the ⑧ key and press ③DEF to select **3:Erase All**.

2. To erase all voice memos, press ①_ to select **1:Normal**..
   To erase all recorded conversations, press ②ABC to select **2:Calling**.

3. Press the ⊙OK/✉ key to confirm. All selected messages will be erased.

Using the Menus

A three-level menu structure is available to set the various options available on your phone. You can set the menu options in two different ways.

Using the Navigation Keys

The following keys are used to set menu option by scrolling then selecting an option.

Key	Purpose
(MENU)	Enters the menu structure. *In the menu mode*, moves to the next menu in the main menu level and moves to the next screen in the sub-menu level.
⊙	*In the menu mode*, moves to the next menu or option. You can also use ⊙ or ⊙ key on the left side of the phone to move to the next or previous option.
(OK/✉)	Access the menu displayed or the highlighted option.

Example: Selecting the **Record** option in **Voice Dial** menu

1. Press the ⌨ key to access the main menu.

2. Press ⌨ or ⊙ key repeatedly until **Voice Dial** is displayed, then press the ⌨ key. The **Voice Dial** options are displayed.

3. Press the ⌨ key to select the highlighted **Record**. The **Record** option is activated.

Using the Index System

Each menu option is assigned a hierarchical number. You can use this number to access the corresponding option directly. Simply press the ⌨ key and key in the required number.

Example: Selecting the **Record** option in **Voice Dial** menu

1. Press the ⌨ key to access the main menu.

2. Press the ⑤ key to access the **Voice Dial** menu. The **Voice Dial** options are displayed.

3. Press the ① key to select **Record**. The **Record** option is activated.

The numbers assigned to each option are indicated on the following menu map.

Menu Map

*. MP3 Player
- 1. Player
- 2. Ring On/Off
- 3. File List
- 4. Erase
- 5. Memory Status

1. Calls
- 1: Outgoing
- 2: Incoming
- 3: Erase Logs
  - 1: Outgoing
  - 2: Incoming
  - 3: All
- 4: Air Time
  - 1: Last Call
  - 2: Total
  - 3: Erase Total
  - 4: Life Time

2. Phone Book
- 1: Find Name
- 2: Add Entry
- 3: Find Entry

3. Sounds
- 1: Ring
  - 1: Ring Volume
  - 2: Ring Type
  - 3: Ring Tone
- 2: Key Volume
- 3: Alerts
  - 1: Minute Beep
  - 2: SVC Alert
  - 3: Connect
  - 4: Disconnect
- 4: Alarm
- 5: Diff. Ring
- 6: Power on/off
- 7: Data/Fax Alert

4. Display
- 1: Backlight
- 2: Greeting
- 3: Animation
  - 1: Opening
  - 2: Closing
- 4: My Phone #
- 5: Language
- 6: Version

5. Voice Dial
- 1: Record
- 2: Review
- 3: Erase All
- 4: Set Active

6. Setup
- 1: Auto Retry
- 2: Auto Answer
- 3: Auto Hyphen
- 4: Answer Mode
- 5: Tone Length
- 6: Set Time
- 7: Set NAM
- 8: System Sel
- 9: Data/Fax

0. Security
- 1: Lock
- 2: Restrict
  - 1: Phone Book
  - 2: Incoming
  - 3: Outgoing
- 3: Lock Code
- 4: Priority #
- 5: PIN
  - 1: Send PIN
  - 2: PIN Code
- 6: Clear Memory
- 7: Hide My #
- 0: Reset Phone

MP3 Player

You can use the **MP3 Player** menu to:
• Play the MP3 music files.
• Set the ring on/off or select display in MP3 player mode.
• View the file list or memory status and erase music files.

Player   *Menu ✱-1*

When you access this menu, the list of MP 3 Player menus is displayed.

To ...	Press ...
Play back the MP3 music	⟨2 ABC⟩ key
Skip to the previous track or search backward	⟨1 .-'⟩ key
Skip to the next track or search forward	⟨3 DEF⟩ key
Set the Repeat mode	⟨4 GHI⟩ key
Search through the file list	⟨5 JKL⟩ key
Select the sound mode	⟨6 MNO⟩ key

Ring On/Off   *Menu ✱-2*

This menu allows you to set if your phone will receive a call or not while playing the MP3 music.

File List   *Menu ✱-3*

This menu shows the list of the MP3 music files saved in your phone.

Erase   *Menu ✱-4*

You can delete a single or all MP3 files from your phone memory using this menu.

Memory Status   *Menu ✱-5*

This menu shows you the information on the total phone memory and the memory currently available.

Note: For more information on the MP3 Player menu, refer to the MP3 Player User's manual shipped with the phone.

Calls

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

Outgoing   *Menu 1-1*

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

To ...	Press ...
Select an entry	☺ key
Dial the selected entry	SEND key
View the date and time at which the call was dialed and use option features	OK key

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

Press the MENU key to access **Options**. The following options are available:

Talk: dials the selected number.

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

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

Incoming   *Menu 1-2*

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

To...	Press ...
Select entry	☺ key
Dial the selected entry	SEND key
View the date and time at which the call was received and use option features	OK key

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

Press the MENU key to access **Options**. The following options are available:

Talk: dials the selected number.

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

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

Erase Logs *Menu 1-3*

You can erase the numbers stored in the Call Log memory.

Outgoing: The numbers you called are erased.

Incoming: The numbers you received are erased.

All: All calls you dialed and received are erased.

Air Time *Menu 1-4*

Using this option, you can view the call time of the last call, as well as total air time for all calls since you last reset the timer.

Last Call: duration of the last call

Total: total duration of all calls made since the timer was last reset.

Erase Total: resets the call timers.

Life Time: the combined airtime of every phone call that has been made on your phone.

Phone Book

The Phone book allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 229 numbers.

Find Name *Menu 2-1*

This option displays the stored names in the Phone Book in alphabetical list.

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

When the desired entry displays, press the SEND key to place a call. If you press the OK key, then MENU key, you can access the following options:

Talk: dials the number.

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

Edit: allows you to edit phone number, name, or entry number. **Set Secret** option prevents the number from being displayed on the screen. **Set Speed Dial** option allows you to designate the number to be dialed as a speed-dial number. For details, refer to page xx.

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

Erase: erases the number.

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

Note: You can locate Phone Book entries quickly when the phone is in Standby mode. Press the ⊙ key to access **Find Name** menu in one step and then press the ⊙ key to scan entries.

Add Entry   *Menu 2-2*

This menu allows you to store a number with a name in your Phone Book. You can save a person's 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 Phone Book.

Creating a New Entry

1. Enter a number and press the ⊙ key. The phone book entries are displayed.

2. Press the ⊙ key to confirm **<New Name>**.

3. You are asked to select a label. The following labels are available: **Home**, **Work**, **Mobile**, **Pager**, **Fax**, **No Label**. After selecting the label using the ⊙ key, press ⊙ .

4. The first available location displays. To accept the displayed location, press the ⊙ key. To select another location, press the ⊙ key to scroll to the desired location or enter the location number using the number keys, then press the ⊙ key.

   Note: An entry's location is also its speed-dial code.

5. To include a name with the entry, enter the desired name, then press the ⊙ key. For information on how to enter a name, see page xx.

Adding a Number in an Existing Entry

1. Enter a number and press the ⊙ key. The phone book entries are displayed.

2. Select the entry you want to add a number to with ⊙ key, then press ⊙.

3. Available labels are displayed. After selecting the desired label, press the ⊙ key to save the setting.

Storing Phone Numbers at Call End

To store a phone number at your call end:

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

2. To store the phone number, press the ⊙ key.

3. To complete storing the number, follow the instructions mentioned above.

Entering a Name

1. Press the key labeled with the desired letter.

   Since each key has three or more letters, press the key repeatedly until the desired letter appears in the display.

2. Select the other letters in the same way.

Notes
- You can enter a special characters such as period (.), comma (,), hyphen (-), &, and @ by pressing the ⌑ key .
- The cursor moves to next available space when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a second for the cursor to move automatically, and then select the next letter. To delete letters, press the ⌑ key.

Find Entry

Menu 2-3

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

Enter the location by pressing the number keys or press the ⌑ key to scroll to the desired location, then press the ⌑ key to display the selected entry.

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

If you press the ⌑ key, then ⌑ key, you can access **Options**. For details on **Options**, refer to the **Options** under the **Find Name** menu on page xx.

Sounds

You can use the **Sounds** menu to customize various sound settings, such as the:
- Ring volume, type, and tone
- Alert sounds
- Alarm

Ring

Menu 3-1

Ring Volume

This option allows you to adjust the ringing volume to one of nine levels. You can also turn the ringer off. Use the ⌑key (or ⌑ or ⌑ key on the left side of the phone). The more the bars, the louder the volume.

You can also use ⌑ or ⌑ key on the left side of the phone to adjust key volume in the idle mode.

Note: During an incoming call, you can mute the ringer by pressing the ⌑ key.

Ring Type

This option allows you to indicate how you are to be informed of any incoming calls. The following options are available.

BELL: The phone rings using the ring tone selected via the menu option.
LAMP: The backlight is switched on and the lamp blinks; the phone neither rings nor vibrates.
VIBRATE: The phone vibrates but does not ring.
VIB + BELL: The phone vibrates first, then rings.

Ring Tone

This option allows you to select the required ringing tone. You can choose among 13 different tones or melodies. Each time you select a tone, it sounds for a few seconds.

Key Volume   *Menu 3-2*

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

Use the ⊙ key (or ⓐ or ⓥ key on the left side of the phone).

Alerts   *Menu 3-3*

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

Service Alert: With this menu option set to **ON**, the phone beeps when you exit service area or when you return to a service area.

Connect: You can set your phone to sound the connect tone when your call is connected to the system.

Disconnect: You can set your phone to sound the connect tone when a call is disconnected or dropped.

Alarm   *Menu 3-4*

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

To set the alarm, proceed as follows.

1. Select **Set** option.

2. Choose the alarm frequency option, and press the ⌨ key.

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

   One Time: the alarm rings only once and is then deactivated.

3. Enter the required time.

4. Press the ⌨ key.

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

To deactivate the alarm, select **Release** option, then press the ⌨ key.

Differential Ring   *Menu 3-5*

This option allows you to designate a unique ring to signal an incoming call by a stored caller number.

You can specify up to 5 callers and select a unique ring tone for each caller from 13 different tones and melodies.

Power on/off   *Menu 3-6*

This menu enables or disables the phone sounds when it is switched on or off.

The following options are available:

On On: The phone sounds when it is switched on, and does not sound when off.

Off On: Neither does the phone sound when it is switched on nor off.

On Off: The phone sounds both when it is switched on and off.

Off Off: The phone does not sound when it is switched on, and sounds when off.

Data/Fax Alert   *Menu 3-7*

This option allows you to be alerted with a distinct ringing tone when you are faxed or received a data through the phone (network dependent). You can choose between 13 different tones or melodies. Each time you select a tone, it is played for a few seconds.

Display

Backlight   *Menu 4-1*

You can select whether or not the phone uses the LCD backlight. The following options are available.

10 SECONDS: The backlight comes on when you press a key or receive a call and switches off 10 seconds after the last key is pressed.

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

Folder Open: The backlight comes on each time you open the flip cover.

OFF: The backlight is not used.

Greeting   *Menu 4-2*

This option allows you to set a greeting message to be displayed in the idle mode. It is preset to **AirTouch**. You can change the greeting message according to your own preference.

Enter your personal greeting up to 12 digits by using the alphanumeric keys. For more information on entering letters, refer to page xx.

Animation   *Menu 4-3*

This menu allows you to select images displayed when you switch the phone on and off.

Opening: You can select a power-on image. There are three graphics to choose from.

Closing: You can select a power-off image. There are two graphics to choose from.

My Phone Number   *Menu 4-4*

You can check your phone number. If you have more than one phone number, press the ⊙ key to check the next number.

Note: You can block this feature by setting **Hide My #** option (**0-7**) to **ON**. Refer to page xx.

Language   *Menu 4-5*

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

Select the desired language between **English** and **Spanish**.

Version   *Menu 4-6*

This option allows you to view the software and hardware version of your phone.

Voice Dial

You can call up to 20 stored entries by speaking the name into the microphone. Before using the Voice Dialing feature, you must record the name in your phone.

Record   *Menu 5-1*

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

Respond to the prompt by saying the name you want to save. The phone stores the name as a first sample, and then prompts for the name again.

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

Enter the phone number by pressing the digit keys.

To store the phone number, press the ⌨ key. The name (if matched up to Phone Book) and number display, along with the notification **Recorded**.

Tips on Recording Name

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

• Speak clearly and naturally.

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

• Avoid too long or too short name. It is recommended to
  contain 2 to 5 syllables.

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

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

• You can record up to 99 names. If you try to record more
  than 99, the phone announces 'Memory is full'.

Review   *Menu 5-2*

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

Press the digit key to select the desired entry, or press the ⊙
key to scan entries.

When you select the desired entry, the recorded name plays
audibly.

If you want to erase the selected entry, press the ⊚ key
while the name is playing.

Erase All   *Menu 5-3*

This option allows you to delete all voice dialing entries.
Press the ⊚ key, to confirm the deletion. Otherwise, press
⊚ or ⊚ to exit this menu without deleting the voice
dialing entries.

Set Active   *Menu 5-4*

Voice Dialing is always active once you have recorded a name
and have entered the associated phone number. To place a
call using Voice Dialing, simply press and hold the ⊚ key
in the idle mode and then say the name into the phone after
you hear the prompt.

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

[✳] only: Enables Voice Dialing only by pressing and holding
             the ⊚ key.

[✳] /Flip (?): Enables Voice Dialing by pressing and holding
                 the ⊚ key or by opening the flip.

Setup

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

Auto Retry *Menu 6-1*

With this menu option set to **ON**, when you place a call and the call does not connect, the phone automatically retries to make the call.

Auto Answer *Menu 6-2*

With this menu option set to **ON**, the phone automatically answers calls. This option is useful while driving, for instance.

When a call comes in, your phone will answer the call automatically after 2 rings. The feature does not work if you have chosen **VIBRATE** as a ring type or set the ring volume to off.

Auto Hyphen *Menu 6-3*

With this menu option set to **ON**, your phone automatically hyphenates numbers as follows: (area code)-(number). Digits following a pause are not hyphenated.

Answer Mode *Menu 6-4*

This menu option allows you to select an answer mode when an incoming call comes. It is preset to **By SEND**. The following options are available:

By SEND: The phone answers when you press the ⌇SEND⌇ key.

By Opening: The phone answers when you open the flip cover.

By Anykey: The phone answers when you press any key except the ⌇END/ꝯ⌇ key.

Tone Length *Menu 6-5*

Some phones you call can recognize only longer tones. You may have to change the length to **LONG** for some calls. When calling a paging system, your phone should be in the **SHORT** mode.

Set Time *Menu 6-6*

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

The current time, if set, displays. The month, day, hour and minute must be entered with 2 digits. The year requires all four digits. If you do not input the time or you input the wrong time, **Invalid Time** displays.

Set NAM
Menu 6-7

Your Samsung phone can store two NAMs (NAM stands for numerical assignment module - essentially your telephone number). 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.

Press the � key to select **NAM-1** or **NAM-2**. If you change the NAM, the phone will reboot and acquire service using the new NAM setting.

Note: Each NAM has an associated set of System Selection settings (see "System Select" below).

System Select
Menu 6-8

With this menu option, you can select the system service mode between FM(analog) and CDMA(digital). Each service mode allows you to select a roaming option. Roaming is a feature which is only relevant in areas where there are at least two cellular service providers having valid roaming agreements.

Roaming, when available, allows you to register your phone on one of the networks, but use the facilities of the other if your own network is not available. This system priority feature allows you to program your phone for optimum operation when within your home service area or when outside your home service area.

Contact your home cellular service provider for information on the availability of this feature and roaming agreements they have with other cellular service providers.

There are four different roaming options:

Standard: with this setting, your phone will always try your calls using your home system, but if that doesn't work, then it will use the preferred roaming 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 indicator (✖) is displayed. In some service areas an operator may come on line asking you how you would like to pay for the call.

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 setup service. With this setting, you will only be able to roam in the "A" network or system.

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

Data/Fax *Menu 6-9*

To send or receive data or fax through the phone, you have to set this option to **Incoming Data Only** or **Incoming Fax Only**. When you want to use the phone for a normal voice call, set to **Off: Voice Call Only**.
The following options are available:

Off: Voice Call Only: receives a call.

Incoming Data Only: receives or sends data.

Incoming Fax Only: receives or sends fax.

Security

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

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

Lock *Menu 0-1*

When the phone is locked, you cannot operate the phone until you enter the lock code.

The following options are available:

OFF: the phone remains unlocked.

NOW: the phone locks immediately.

ON POWER-UP: the phone locks automatically at the next power-up.

To place an priority call on Lock mode:

• To call an emergency number, enter the number and then press the ⌧SEND key. The phone recognizes 911, 611, 228 and the other numbers assigned by as priority numbers (Menu **0-4**).

• To place normal outgoing calls, press the ⌧MENU key to display the Lock Code screen, and then enter the lock code. When the Standby screen displays, enter the phone number, and then press the ⌧SEND key.

Restrict

Menu 0-2

This feature allows you to restrict your calls. Call Restriction can be set up in the following ways.

Phone Book: the phone restricts the use of the Phone Book.

Incoming: calls cannot be received.

Outgoing: calls cannot be made.

Each option can be restricted or unrestricted individually.

Lock Code

Menu 0-3

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

Enter a new, four-digit lock code, then press the 🔲 key.

Priority Number

Menu 0-4

This feature allows you to store priority numbers up to seven. The priority numbers can be dialed at any time when the phone is locked or when the outgoing call is restricted.

Your phone has seven default priority numbers:

1: 911	4: *911	7: *2-2801
2: *611	5: *288	
3: 611	6: *2-2800	

To store a priority number, select a location using a digit key or the 🔲 key and enter the desired number. Each priority number can be up to ten digits long. The number already stored in the location is automatically deleted when you enter the new number.

To dial emergency numbers in Lock mode, simply enter the priority number, then press the ⬛ SEND key.

PIN (Personal Identification Number)

Menu 0-5

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

This feature prevents your phone from being used by unauthorized persons. Contact your service provider for complete information on this feature. Your PIN is programmable and can be up to 24 digits.

Send PIN

This feature prevents the phone from being used by unauthorized persons. The feature is only available if your system supplier provides this service and you have a PIN assigned by the system supplier.

These options are available:

Never: The option is not activated

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

For information about this service in detail, contact your service provider.

PIN Code

This feature allows you to change the PIN code.

When the current PIN code is displayed, enter a new PIN code by pressing the appropriate digit keys.

Clear Memory   *Menu 0-6*

This menu option enables you to clear all phone memories. All user-input in the phonebook, call logs, etc. will be deleted.

Hide My Number   *Menu 0-7*

This feature allows you to hide your own number display, and others cannot view your phone number. If you turn this feature on, the message **# Hidden** displays when the **My phone #** menu (**4-4**) is accessed.

Reset Phone   *Menu 0-0*

With this menu option, you can easily reset your phone to its default configuration.

Note: This option does not clear phone memories, but only changes back setting to their original state.

Message

Your phone receives voicemail notification, text messages, and pages. And your phone transmits text messages and pages if your system supplier provides this service. When the phone receives a message, an alert sounds, and a text notification displays. The ✉ icon remains on the screen until you read the pending text messages or until you listen to the voicemail notification messages.

Your phone can store up to 100 pages and text messages, depending on the length of the message. If the message memory is full, a message is displayed and you cannot receive any new messages. Delete obsolete messages.

Inbox   ✉ 1

The menu allows you to read voicemail notification, text messages, and pages.

The following options are available:

Voice (✉ 1-1): The screen displays the time, date and the number of new, unheard messages.

Press the 〔MENU〕 key to access the following options.
• **Listen**: You can listen to the voicemail.

• **Reset**: You can reset manually the counter for voicemail messages, if desired. (The system resets the counter automatically after you listen to all new messages.)

Page (✉ 1-2): An indexed list of page messages displays. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the desired message to review, then press the ⌗ key. After reviewing the message, press the ⌗ key to access the following options.

- **Talk**: To call the phone number.
- **Save #**: To store the phone number in your Phone Book.
- **Erase**: To erase the phone number in your Phone Book.
- **Next Mgs**: To review the next message.
- **Previous Msg**: To review the previous message.

Text (✉ 1-3): An indexed list of text messages displays. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the desired message to review, then press the ⌗ key. After reviewing the message, press the ⌗ key to access the following options. For details on **Option**, refer to the **Page (✉ 1-2)** menu.

Via the **Alert (✉ 1-4)** menu, the phone alerts you when a message is received. You can choose how frequently this happens. The three options are: **EVERY 2 MIN**, **OFF**, **ONCE**.

To delete all text and page messages you have received, select **Erase All (✉ 1-5)**.

Outbox ✉ 2

Tentative

The menu allows you to transmit pages and text messages, and to store the messages you have transmitted.

The following options are available:

Paging (✉ 2-1): When prompted, enter the desired destination address number, then the number you want to be called back.

Messaging (✉ 2-2): When prompted, write the message. You can write and edit text messages of up to 160 characters. You have two methods of writing messages:

- the method used traditionally in mobile phone. For details, see page xx.
- another called "T9 English mode" . For details, see the following section, 'T9 English Text Input'.

Then enter its destination address number, then the number you want to be called back. You can set text message's priority. Priority options are available: **NORMAL**, **URGENT**, **EMERGENCY**.

The messages you have transmitted are stored in **Tx Box (✉ 2-3)**.

- **Stored Msg**: This menu allows you to read the stored messages you have transmitted.
- **Erase All**: This menu allows you to erase all messages you have transmitted.

T9 English Text Input

T9 English text input allows you to key in any characters by single key presses. This text input is based on a built-in dictionary.

To select T9 English mode

1. When you are in a field that allows character entry, press the ⓘ key.

2. Press ① or select **T9 (English)** highlighted then press the ⓞ key. T9 dictionary is activated and the predictive text input is now on.

   To switch from the T9 English text input to the traditional text input, press the ⓘ key and select **Alpha**.

To write words with T9 English text input

1. When you are in the **T9 (English)** mode, start writing a word by using keys ② to ⑨.
   Press each key only once for one letter. For example, to enter 'hello' in the **T9 (English)** mode, press ④, ③, ⑤, ⑤ and ⑥.

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

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

4. Complete each word with a space by pressing the ⓘ key.

5. If the word is correct, start writing the next word.

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

• To type words not found in the T9 mode, change the text input mode to the traditional **Alpha** mode. Words typed in the English mode are automatically added to the T9 dictionary so you can type them using **T9 (English)** mode the next time. (???? please confirm this function!!!!)

• To delete a character, press the ⓘ key. Press and hold the ⓘ key to erase entire words.

• To change between all capital and initial capital letters, press the ⓘ key.

• To insert numbers in the **T9 (English)** mode, press the ⓘ key to change the text input mode, and scroll to **Number** by using the ⓘ key, then press the ⓞ key.

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

• To insert a symbol, press the [MENU] key to change the text input mode, and scroll to **Symbol** by using the [scroll] key, then press the [OK] key.

```
Yull                      ▨
Set 1        |
        123456789
    , . - ? ' : @ ( )
Select number
```
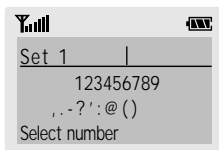
Press number keys corresponding to the desired symbol, then the phone automatically switches back to the text input mode used just prior to selecting the **Symbol** mode.

Accessories

Battery

Li-ion STANDARD battery (1000 mAh) is available for use with your phone.

Cigarette Lighter Adapter

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

Desktop Charger

The desktop charger enables you to charge a single battery or phone with battery at your home or office.

Hands-Free Car Kit

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

Ear-Microphone

The Ear-Microphone includes the earpiece, microphone and the remote control for MP3 Player in a convenient, lightweight unit.

RS-232C Cable

The RS-232C cable connects your phone to a computer port, allowing you to use Internet or other communication programs.

Using the Batteries

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

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

Precautions When Using Batteries

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

• Use the battery only for its intended purpose.

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

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

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

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

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

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

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

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

Safety Information

Road Safety

• Remember, road safety always comes first!

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

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

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

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

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

Operating Environment

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

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

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

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

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

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

Care and Maintenance

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

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

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

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

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

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

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

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

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

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

Emergency Calls

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

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

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

Glossary of Terms

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

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

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

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

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

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

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

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

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

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

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.

MP3 - An MP3 is the common name for MPEG-1, 2 (Motion Picture Expert Group) Audio Layer 3. This form of compression is approximately 12 times smaller than CD file. The result is a compression file with near CD quality sound, suitable for sending and downloading via the Internet.

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.

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

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

Phone and Battery Specifications

Phone (without battery)

Item	Description
Dimensions (HWD)	105 x 45 x 20.5 mm
Weight	59 g

Phone (with battery)

Item	Description	
	Slim Battery	Standard Battery
Dimensions (HWD)	105x45x18.5 mm	105x45x20.5 mm
Weight	72 g	119 g

Battery

Item	Description	
Battery Type	Slim Battery	Standard Battery
	500 mAh Li-polymer	1000 mAh Lithium-Ion
Dimensions (HWD)	82 x 44 x 9 mm	82 x 44 x 9 mm
Weight	13 g	60 g

Index

Position only

Position only

SAMSUNG SCH-M105 Quick Reference Card

BASIC OPERATION

Action	Operation
Make a call	Phone number + **SEND**
Receive a call	**SEND** or Open the phone
Adjust speaker volume	(in conversation mode) ▲ / ▼
Scan the last calls and dial	**SEND** + ☉ + **SEND**
Switch to vibration mode	Press and hold # 📳
Voice dial	Press and hold ✱ 🔊
Record voice memo	Press and hold 🔘

INTERNAL PHONE BOOK

Action	Operation
Make a call	Phone number + **OK** + **OK** Label + **OK** + **OK** (or assign another location + O K) + name + **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 (100–229): Press the first and the second digit briefly, then hold down the third.
Store a new number into memory	
Scan memories	☉ + Name (or ☉) + **OK**
Erasing a specific entry	☉ + ☉ + **OK** + **OK** + **5** + **OK**

MENU TREE

Main Menu (To access, press MENU)

* : MP3 Player
1 : Player
2 : Ring On/Off
3 : File List
4 : Erase
5 : Memory Status

1 : Calls
1 : Outgoing
2 : Incoming
3 : Erase Logs
4 : Air Time

2 : Phone Book
1 : Find Name
3 : Add Entry
4 : Find Entry

3 : Sounds
1 : Ring
2 : Key Volume
3 : Alerts
4 : Alarm
5 : Diff. Ring
6 : Power-on/off
7 : Data/Fax Alert

4 : Display
1 : Backlight
2 : Greeting
3 : Animation
2 : My Phone #
4 : Language
5 : Version

6 : Voice Dial
1 : Record
2 : Review
3 : Erase All
4 : Set Active

7 : Setup
1 : Auto Retry
2 : Auto Receive
3 : Auto Hyphen
4 : Answer Mode
5 : Tone Length
6 : Set Time
7 : Set NAM
8 : System Sel
9 : Data/Fax
0 : Analog Call
* : Web Browser

0 : Security
1 : Lock
2 : Restrict
3 : Lock Code
4 : Priority #
5 : PIN
6 : Clr Memory
7 : Hide My #
0 : Reset Phone