SAMSUNG

OWNER'S MANUAL
**CDMA PORTABLE
CELLULAR TELEPHONE
SCH-110**

SAMSUNG

ELECTRONICS
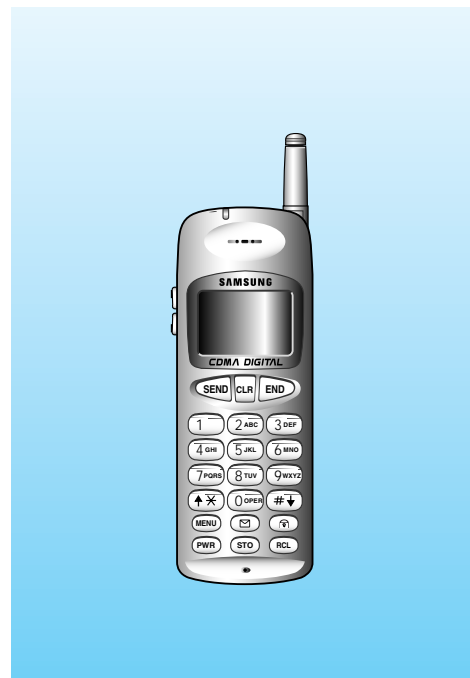
# Safety Precautions
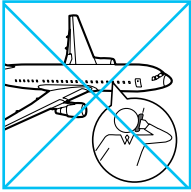
The use of cellular phones in an aircraft:
◆ Turn your phone OFF before boarding any aircraft.
◆ Use it on the ground only with crew permission.
◆ Do not use the phone while you are in the air.

To prevent possible interference with aircraft systems, Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent interference with cellular systems, FCC regulations prohibit cellular phone use while the plane is in the air.
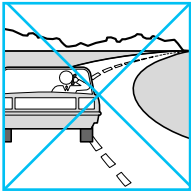
NEVER use your phone while driving, even if hands free operation is allowed. ALWAYS park your vehicle first.

Check the laws and regulations regarding cellular phone use in the areas where you drive. In some states and countries it is illegal to use mobile and radio telephones while driving.
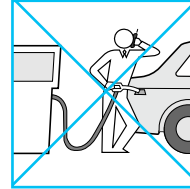
Turn off the phone at a potentially explosive atmospheres such as below deck on boats, fuel or chemical transfer or storage facilities, and blasting areas. It is rare but the phone or its accessories could generate sparks, which in the above-mentioned areas could cause an explosion or fire resulting in bodily injury or even death.
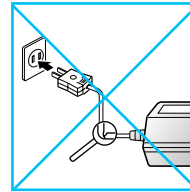
DO NOT use the power adapter if:
◆ The power cord is damaged.
◆ The phone has been dropped or undergone a shock.

Have an authorized service center repair the phone. NEVER try to repair the phone yourself.

Symbols

1
Press/Push
① = Step number

☞
Important

Contents

Preparation

Basic Operation

The Phone's ...

Useful Features

Advanced Features

Optional Features

Miscellaneous

Front View of the Phone

Strap hole

Receiving lamp

Buzzer

Volume buttons (▲ ▼)
These buttons are also used
to scroll option menu

Antenna

Speaker

Display

SEND: Places the call after the
number has been entered

CLR: Clears messages on LCD

END: Ends a call

Number keypad

↟ ↡ : Scrolls option menu

MENU: Helps access special
features

✉ : Lets you listen to voicemails
or read text messages

🔒 : Prevents mis-operation due
to unwanted-key press

PWR: Turns power on and off

STO: Stores names and numbers
in memory

RCL: Recalls stored memory
entries

Microphone

Rear View of the Phone

Battery release button

Battery

Battery terminals

Display Icons

displays the dialed numbers and the current status

INUSE	Blinks while your phone selects a channel and lights up when the line is connected.
NOSVC SVC	NOSVC: No service area SVC: Service area
ROAM	Lights up when your phone is out of the home area.
CDMA	CDMA: Digital mode (Analog mode while this CDMA indication disappears)
▼...ıllI	Indicates the signal strength by the number of bars.
▭	Displays the battery charge level status with the number of blocks.
✉	Indicates you have voicemail or text messages.
✖	Reminds you that you have set the Alert Type to LAMP and will not hear the phone ring with incoming calls.
◷	Displays as a reminder that you have set the Call Reminder Alert.

Installing the Battery

1. Align the charged battery by resting it on the back of the phone with the battery terminals pointing downwards. Place the top of the battery about 1/2 inch from the top edge of the battery opening.
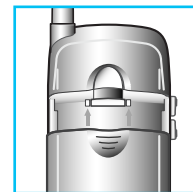
2. Slide the battery upwards until it firmly clicks into position.

   Your phone is now ready to use.

Removing the Battery

To remove the battery, press the battery release button while sliding the battery out of position.

Charging the Battery

When you purchase this phone, the battery is not fully charged. Please charge the battery fully before you operate your phone.

To Use the Normal Charger

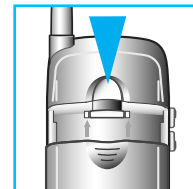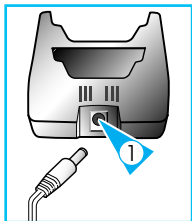1. Plug the AC/DC adapter into the rear of the charger.
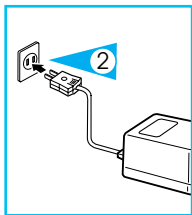
2. Plug the AC/DC adapter into an appropriate wall socket.
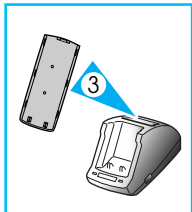
3. Remove the battery from the phone and place it in the rear compartment of the charger.

4. If you do not wish to use your phone while charging the battery, you can leave the battery attached to the phone. Place the phone with the battery attached in the front compartment of charger with the keypad facing forward.
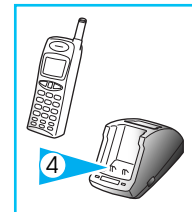
▶ **Notes:**

- It is normal for the battery to become warm during charging.

- When both the front and rear slots are occupied, the front slot charges first.

- When the temperature is too high or low, the charge lamp turns to yellow and the battery is in Standby mode until the temperature returns to normal ($5°C \sim 35°C$, $41°F \sim 95°F$).

Using the Travel Charger

To use the travel battery charger, proceed as follows.

▶**Note:** Travel charger is available for USA user only.

1. Remove the battery from the rear of the phone.
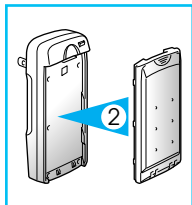
2. Attach the battery to the travel charger by:

   ◆ Aligning it with the charger.
   ◆ Sliding it upwards until it clicks into place.
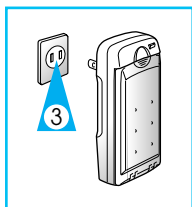
3. Plug the travel battery charger into a 110 volt wall socket.

4. Let the battery charge for about 3 hours for a standard battery or 6 hours for an extended battery.
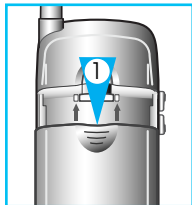
▶**Note:** It is normal for the battery to become warm during charging. See page 78 for important 'Battery Safety Precautions' related to using your Samsung Cellular phone.

Using the Cigarette Lighter Adapter

The cigarette lighter adapter enables you to power your phone directly from your car battery, saving the power in the battery for portable use.

1. Plug the cigarette lighter adapter into the connector on the base of the phone.
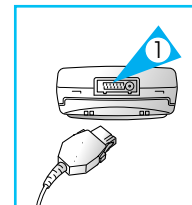
2. Plug the other end of the cigarette lighter adapter into the cigarette lighter outlet on your vehicle dashboard.
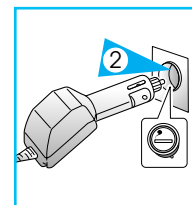
More on Batteries

The lamp color indicates the charging status as follows.

Status Slot	Standby	Charging	Completed	Discharging	Abnormal temperature
Front	—	Red	Green	—	Yellow
Rear	Yellow	Red	Green	Yellow (Blink)	Yellow

The full charging time is different according to the battery type as follows.

Battery	Standard	Extended
Time	about 2 hours	about 3 hours

➡ **Note:** The battery charger has two charging compartments. The front compartment can hold a phone with the battery attached. The back compartment holds a battery only.

- If both the front and rear slots are occupied, the charging time may be longer.
- When both the front and rear slots are occupied, the front slot charges first.
- It is normal for the battery pack to become warm during charging.

Battery Memory Effect

- If the battery seems to lose its charge quickly, this may be caused by what is known as Memory Effect. You can erase the Memory Effect by charging and discharging the battery completely 2 or 3 times.
- If you want to discharge the battery to erase the Memory Effect, push the side button for one second within 20 seconds after inserting the battery into rear pocket. (It is only available for the rear pocket of the charger.)

  Result: A corresponding LED blinks yellow while the battery is discharged and the LED turns from yellow to red when the battery is fully discharged. When the battery is fully charged, the LED turns from red to green

- To keep the battery at the optimum condition, it is recommended to fully discharge the battery once in every two weeks.

Checking the Battery Charge Level

The battery charge level is displayed at the left corner of the display.
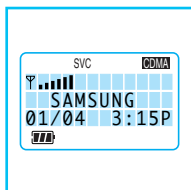
The number of blocks represents the battery charge level.

Example:
▐▊▊▌ Battery fully charged
▐▊▌ Battery low

When the battery drops to an extremely low level, the phone beeps and the battery icon turns to ▭ .

▶**Notes:**
- When the battery is low, the display backlight lamp does not light, even when keypad keys are pressed.
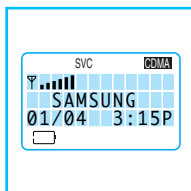- When the power in the battery is completely gone, a warning tone sounds three times and the power cuts off.

Turning the Phone On and Off

You can only place and receive calls if the phone is turned on. When the phone is turned on but you are not talking on it, it is in the 'Standby mode'. The phone must be in the Standby mode for it to ring on incoming calls. In the Standby mode, battery power is being used although not as rapidly as when you are talking on the phone.

1. To turn on the phone, press and hold **PWR**.

   Result: The phone
   ◆ beeps
   ◆ displays the greeting message, your phone number, and current time (In CDMA mode).
   When the message '**READY**' is displayed, you can place and receive calls.
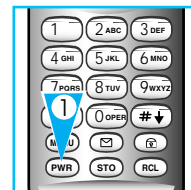
   ▶ **Note:** If the phone is locked, the message '**READY**' is replaced by '**LOCKED**'. To unlock the phone, enter your lock code. (For details on lock codes, see page 63. 'Locking the phone.')

2. To turn off the phone, press **PWR** until you hear a beep tone.
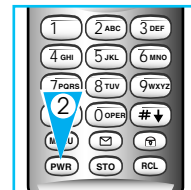
Extending the Antenna

For best performance, extend the antenna fully when you use the phone.

1. Grasp the knob on the end of the antenna and carefully pull the antenna out to its full extension.

   Result: Reception quality is improved.
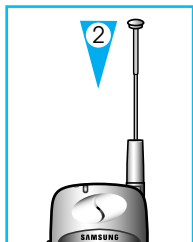
2. When you have finished the call, push the antenna back in.
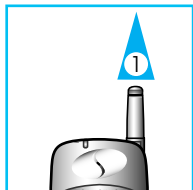
Note: The signal strength is indicated on the display:

📶 Strong signal

📶 Weak signal

Making a Call

1. Turn the power on.

2. Enter the desired telephone number, including the area code.

3. If you make a mistake:
   ◆ Press **CLR** once or more until the incorrect digit or digits are cleared.
   ◆ Continue entering your number.

   To clear the whole number, press and hold **CLR**.
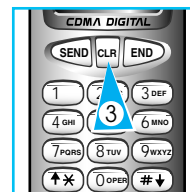
4. When you have entered the whole number, press **SEND**.

   Result: The **INUSE** indicator is displayed.
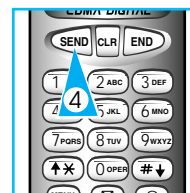
5. When the party you are calling answers, the timer begins and the call time appears in the upper right corner of the display. (For further details, see 'Call Time Display' under 'Customizing Your Phone' on page 58.)
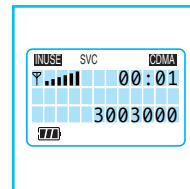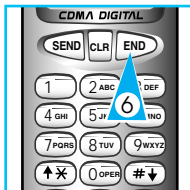
6. When you have finished the call, press **END**.

Note: If your party does not answer your call, **INUSE** flickers and '**REDIAL**' appears on the display. Your phone is automatically redialing the number. When the call is connected using automatic redialing, the phone rings once to alert you so that you may begin the conversation. If you do not want the number to be redialed, press **END**.

Prepending a Stored Number

Prepend is used if you are out of your home system and need to add the area code to an existing phone book number. When a number stored into phonebook appears in the display, you can make additions to the beginning of the original number. However, you can't edit the original number during prepend.

To Prepend a Number

1. Recall a number in memory.

2. Press any digits. Digits entered will be inserted before the recalled number.

3. Press **SEND** to dial the new, longer number.

Receiving Calls

Your phone will ring only if the phone is turned on. If you are expecting a call, turn your phone on.

Note: When the phone is turned on, battery power is being used even if you are not talking on it.
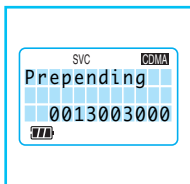
1. When there is an incoming call, the phone rings.

Note: You can choose the alert type; bell or lamp. For details, see page 25.
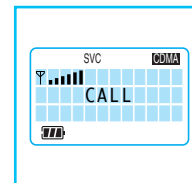
2. To answer the call, press any button except **PWR**.
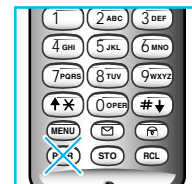
3. Begin the conversation.

4. When you have finished the call, press **END**.

Note: If 'Restrict Incoming Call ' feature (see page 61) is activated and there is an incoming call, the message '**PAGE RESTRICTED**' is displayed and you can not answer the call.

Caller ID Display

Caller ID is a feature available on your phone which helps you know who is calling by displaying the caller's number when the phone rings. If the caller's name and number are stored in your phone's memory, the caller's name will also be displayed. Contact your service provider to activate this feature.

Adjusting Volumes

You can adjust the volume of the sounds generated on your phone by using the volume buttons (▲ ▼) on the left side of the phone.

Keytone Volume

☞ This function is only available _in Standby mode_.
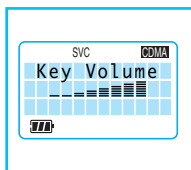
Press ▲ or ▼ until you reach the desired volume level. The volume can be adjusted up to 9 levels.

Result: You can see the volume level you chose in the display.

```
        SVC        CDMA
   Key Volume
```

Voice Volume

☞ This function is only available _during a telephone conversation_.

Press ▲ or ▼ until you reach the desired volume level. The volume can be adjusted up to 8 levels.

Result: You can see the volume level you chose in the display.

```
 INUSE  SVC        CDMA
 Voice Volume
```
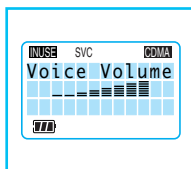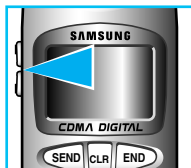
Alert Volume

☞ This function is only available _in Standby mode_.

1. Press **MENU**.

2. Press **2** on the keypad.
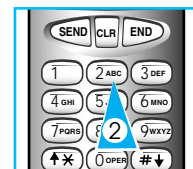
3. Press **3** to select 'Alert Vol.'

4. Press the ▲ or ▼ volume button on the left side of the phone until you reach the desired volume level. The volume can be adjusted up to 8 levels.

Result: You can see the volume level you chose in the display.

```
        SVC        CDMA
   Alert Volume
```
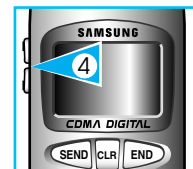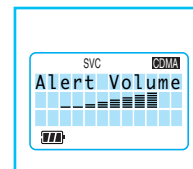
Mute

This feature allows you to mute the phone's microphone, so that the listener cannot hear you or anything happening at your end.

☞ This function is only available _during a telephone conversation_.
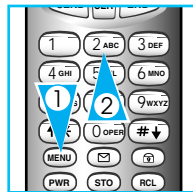
1. Press **MENU** while you are on the phone.
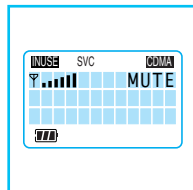
2. Press **2** on the keypad.

Result: The message '**MUTE**' is displayed. The person you're talking to can no longer hear you, but you can hear your correspondent.
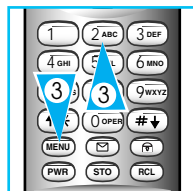
3. Press **MENU** and **2** again when you wish to resume the conversation with the first party.

Result: The message '**MUTE**' disappears on the display and you can speak with your party.

Choosing the Alert Type

You can choose from two alert types that inform you of an incoming call: a bell or a lamp.

1. Press **MENU**.

2. Press **2** to select 'Alert Sel'.
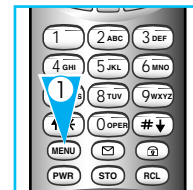
3. Press **1** to select 'Alert Type'. Press ↑ or ↓ until the desired alert type is displayed.
   ◆ BELL : The bell sounds and the receiving lamp flickers.
   ◆ LAMP : The receiving lamp flickers.
   ▶ **Note:** When lamp is chosen, ✉ appears in the display as a reminder that you will not hear an alert when you receive a call.
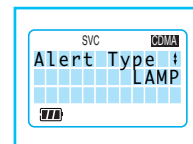
4. Press **STO** to store your selection.
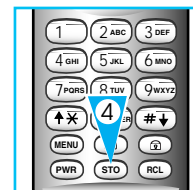
▶ **Note:** When you use the hands-free kit, you cannot choose the LAMP indicator.

Choosing the Alert Tone

When you choose BELL as your alert type, you can choose from nine different alert tones.

1. Press **MENU**.
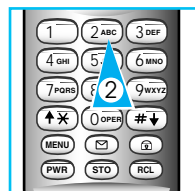
2. Press **2** to select 'Alert Sel'.
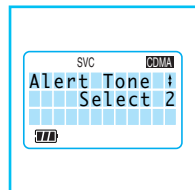
3. Press **2** to select 'Alert Tone'. Press ♠ or ♦ until the desired alert type is displayed.

```
        SVC         CDMA
Alert Tone :
      Select 2
```

4. Press ♠ or ♦ repeatedly until you find the desired type of alert tone.

5. Press **STO**.

Last Number Redial

Your phone's memory stores the phone numbers of the last 10 outgoing calls and the last 10 incoming calls. You can display these numbers and use them to automatically redial a number recently called or return a call recently received.

Redialing Outgoing Calls

1. Press **SEND** in Standby mode.

   Result: The last number, date and time you called are displayed. The numbers you called are numbered '**OUT0**' through '**OUT9**'.with the most recently dialed number being '**OUT0**'.

2. Press ♠ or ♦ until the desired number is displayed.

```
        SVC         CDMA
📶▐▐▐▐▐        OUT0
03/04   8:35A
            3003000
```

3. **To...**   **Press...**

   Redial the number   **SEND**
   in the display

   Exit this function   **END**
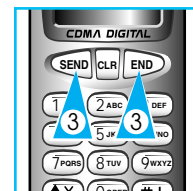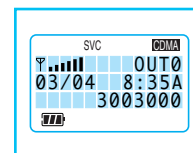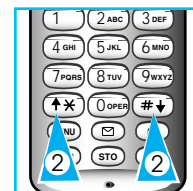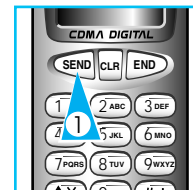
▶ **Notes:**
   • To display a list of recently made calls, you can also press **MENU**, **5**, **1** in sequence.
   • If you want to do during a telephone conversation, you can press **MENU**, **4**, **1** in sequence.

Returning Incoming Calls (Auto-dialing)

1. Press **RCL** twice in Standby mode.

   Result: The number, date, and time of your most recent incoming call is displayed. The last 10 incoming calls are numbered '**IN0**' through '**IN9**' with the most recent call being '**IN0**'.

2. Press ▲ or ▼ until the desired number is displayed.

3. **To...**   **Press...**

   Dial the number   **SEND**
   in the display

   Exit this function   **END**

▶ Notes:
  • To display a list of recently received calls, you can also press **MENU**, **5**, **2** in sequence.
  • If you want to do during a telephone conversation, you can press **MENU**, **4**, **2** in sequence or you can press RCL twice.

Erasing All Numbers in Redial Memory

1. Press **MENU**.

2. Press **5** to select 'Call Logs'.

3. Press **3** to select 'Erase Logs'.

4. **To...**   **Press...**

   Erase all numbers   **1**

   Erase incoming   **2**
   call numbers

   Erase outgoing   **3**
   call numbers

5. Press ▲ or ▼ :

   To...   **Choose...**

   Erase the numbers   **YES**

   Cancel erasing   **NO**

6. Press **STO.**

   Result: The numbers you have chosen will be cleared.

The Phone's Internal Phone Book

Your phone has an 'Internal Phone Book' in which you can store up to 100 frequently called names and numbers. You can set them up for convenient, one-touch dialing and you can store them as confidential phone numbers. (For more details, see 'One-Touch Dialing' on page 37 and 'Dialing Confidential Numbers' on page 38.)

Storing Numbers in Memory

1. Enter the desired telephone number of up to 36 digits including the area code.

   Result: The number entered is displayed.

2. Press **STO**.

   Result: The display shows the number you entered and a fill-in-the-blank area for you to type the location in which you wish to store the number.

3. **To...** **Press...**
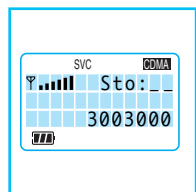
   Assign a specific location — 2-digit location number between 00 through 89

   Store the number in the first available location — ♠

   Store a number into confidential memory (For more on secret memory see page 38.) — 2-digit location number between 90 through 99
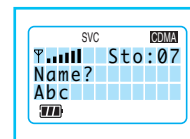
4. To enter the name, press the button marked with the desired letter.

   ▶ **Notes:**
   - For details on entering a name, see 'Entering Names in Memory' on page 34.
   - If you do not wish to enter a name, just skip over this step.

5. Press **STO**.

▶ **Notes:**
- If you are selecting a location between 0 and 9, precede that number with a zero (0).
- If there is no empty location, the message '**MEM.(00-99) IS FULL**' is displayed.
- If the message '**Memory Used! Store? YES**' is displayed, a number has already been stored in the memory location chosen.

To...	**Press...**
Replace it with the new one	**STO**
Assign another location	1. ♥ to change to **NO**
	2. **STO**
	3. The digits for the new location

Finding an Empty Memory Location

To find an empty memory location, perform this search before storing a number.

Any Empty Location

1. Press **RCL**.
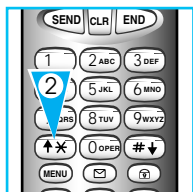
2. Press ↑.

   Result: The message '**SEARCHING EMPTY MEMORY**' is displayed, then empty locations are displayed.

3. Press ↑ or ↓ to display more available locations.

```
      SVC        CDMA
   ▼..▮▮▮  EMPTY
   00 01 02 03
   04 05 06 07
   ▭▭▭
```
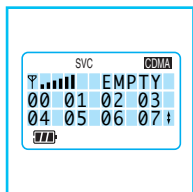
Empty Location Under a Specific Group

You can search an empty location under a specific group. For details, see 'Storing Numbers into Numeric Groups' on page 36.

1. Press **RCL**.
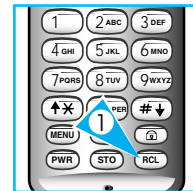
2. Press the group number (0-9).

   Example: To search for an empty location from 20 to 29, press **2**.
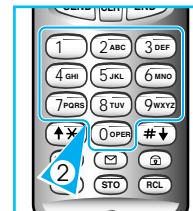
3. Press ↑.

4. Press ↑ or ↓ to display more available locations.

Entering Names in Memory

A name of up to 12 letters can be stored in memory with each phone number.
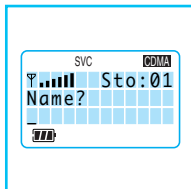
1. After entering a phone number, the display prompts you to enter a name. Press the key marked with the desired letter. Since each key has three or more letters, press the key repeatedly until the desired letter appears in the display.

   Example: For the letter **L**, press the **5** key three times.

   To enter the same letter consecutively or two different letters on the same key, use the ↓ key as a separator.

   Example: To enter the name 'Ann', press **2** for 'A', **6** for 'N', ↓ as a separator, and **6** again for the second 'N'.

   Repeat these steps until the entire name is entered.

2. Press **STO** to store the name.

   ▶**Note:** The phone displays the first letter in upper case and all subsequent letters in lower case. If you insert a space, the next letter will be upper case. To insert a space, press ↑ or ↓. To change from lower to upper case letters, press the ▲ or ▼ keys located on the left side of the phone. To insert a special character, press **1** repeatedly until the desired character appears in the display.

Correcting a Name or Number

If you make a mistake while entering a name or number, you can correct it as follows:

1. To correct a letter or digit:
   ◆ Press **CLR** once or more until the incorrect letter or digit is cleared.
   ◆ Continue entering your name or number.
   ◆ You can also use the ↑ or ↓ keys to move to a specific letter to correct or change it.
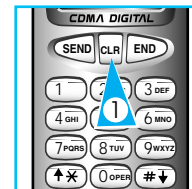
2. To clear the whole name or number, press **CLR** for more than one second.

Storing Numbers into Numeric Groups

You can develop a system of grouping numbers that you frequently call for easy reference.

Example: You could store personal phone numbers in the twenties (20~29), business associates in the thirties (30~39), and clients in the forties (40~49).
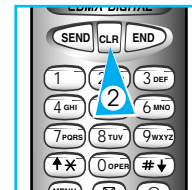

1. Enter the desired telephone number, including the area code.

   Result: The number entered is displayed.

2. Press **STO**.

   Result: The display prompts you to enter memory location number.

3. Enter the location group number (0-9).

   0: From 00 to 09
   1: From 10 to 19
   2: From 20 to 29

   8: From 80 to 89
   9: From 90 to 99

   ▶ **Note:** When selecting one of the first ten locations (0~9) you must enter it as a double-digit number by preceding it with a zero.
   Example: To use memory location **0**, enter **00**; to use memory location **1**, enter **01**.

4. Press ▲.
   ◆ If you want to enter a name, enter the name. For details, see 'Entering Names in Memory' on page 34.
   ◆ If there is no empty location, the message '**MEM.(X0-X9) IS FULL**' is displayed.
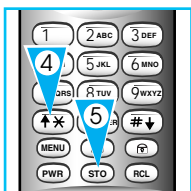
5. Press **STO**.

One-Touch Dialing

Memory locations 0~9 are special one-touch dialing locations. You can dial the numbers stored in 0~9 by pressing one key (do not precede the numbers with a zero when using one-touch dialing).

To use one-touch dialing, simply press and hold the number of the location containing the number to be called.

Result: The number is displayed and dialed.

Two-Touch Dialing

You can easily dial phone numbers stored in memory by pressing the two-digit memory location.

Briefly press the first digit of the memory location, then press the second digit and hold it down for at least one second.
Example: To dial location 23, briefly press the **2**, then press and hold the **3**.

Result: The number stored is
   ◆ Displayed
   ◆ Dialed

Dialing Confidential Numbers

Numbers you have stored in memory locations 90~99 are confidential numbers. This means that when you enter the two digits for two-touch dialing, only the name (if stored) is displayed; the number does not appear on the phone's display.

If you want to see the phone number stored in a confidential memory location, follow these steps:

1. Press **RCL**.

2. Enter the desired location number (90-99).

   Result:
   ◆ The message '**-Secret-**' is displayed.
   ◆ The name (if any) is displayed.

3. Enter the lock code.

   ▶**Note:** The lock code is preset to 0000. To change the Lock Code, see page 64.

4. **To...**   **Press...**

   Make the call   **SEND**

   Exit the function   **END**

Searching for Numbers in Memory

If you do not remember which telephone numbers have been stored in the various memory locations, you can scan through the locations until you find the one you are looking for.

By Location Number

1. Press **RCL**.

2. Enter the number of the memory location at which you wish to start the scan.

   Result: The phone number and associated name (if any) are displayed.

   ▶**Note:** If the location is empty, '**LOCATION EMPTY**' is displayed.

3. **To display the...**   **Press...**

   Next memory location   ↓

   Previous memory   ↑
   location

4. When you have found the desired number:

   To...   **Press...**

   Make the call   **SEND**

   Exit the function   **END**
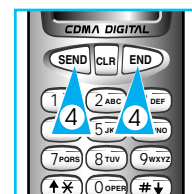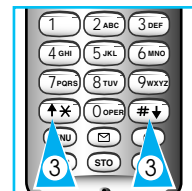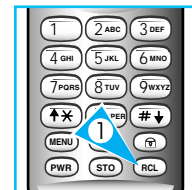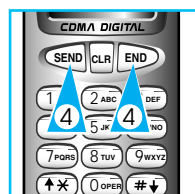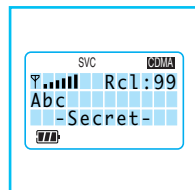
By Name

1. Press **MENU**.
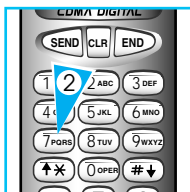
2. Press **7** on the keypad.

3. Enter all or part of the name by pressing the keys marked with the desired letters.

   Example: Enter **A** to find all names beginning with the letter A.
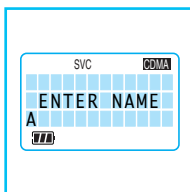
4. Press **RCL**.

   Result: The matching name is found and the name, phone number and memory location number are displayed.

   If you request a search of similar names (for example, all names starting with A), the names will appear one at a time in alphabetical order. To display the next name, press ↓: to display the previous name, press ↑.

   ▶**Note:** If the message '**NAME NOT FOUND**' is displayed, no name matching the request is in memory.
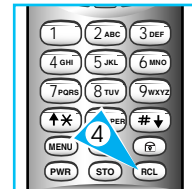
5. When you have found the desired name and number:

To...	Press...
Dial the number	**SEND**
Exit the function	**END**

By Partial Phone Number

1. Press **CLR** and hold.

   Result: The number on the display is erased.

2. Enter part of the phone number you remember.

3. Press **RCL**.

   Result: The first number matching the request is displayed with:
   • memory location number
   • name (if any)

   ➡ **Note:** '**NO MATCH NUMBER**' is displayed if there is no number matching the request.

4. **To display the...   Press...**

   Next number   ↓

   Previous number   ↑

5. When you have found the desired number.

To...	Press...
Make the call	**SEND**
Exit the function	**END**

Erasing a Number in Memory

To Erase a Specific Number

1. Press **CLR** and hold until you hear a tone and the number is erased.

2. Press **STO**.

   Result: The word **STO** and two blanks appear on the display.

3. Enter the location number under which the phone number you want to erase is stored.

   Result: This response on the display: **Memory Used! Clear? Yes**.

4. Press ↑ or ↓ to change from '**YES**' to '**NO**'.

To...	Choose...
Erase the location	**YES**
Choose another location	**NO**

5. Press **STO**.

   Result: The stored phone number is erased and the message '**CLEARED**' is displayed.


```
SVC          CDMA
▼ ▪ıllı       Sto:07
Memory Used!
Clear?        YES
▭
```

To Erase All Numbers in Memory

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code.

   ▶ **Note:** The lock code is present to 0000. To change the Lock Code, see page 64.

4. Press **7** on the keypad.

   Result: This response on your display: `Clr Memory? No`.

5. Press ↑ or ↓ to choose 'YES'.
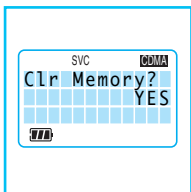
6. Press **STO**.

   Result: This response on your display: `ALL MEMORIES ARE CLEARED`.

Silent Scratchpad

You can press a number during conversation without transmitting the beep tones to the person to whom you are speaking.

▶ **Note:** This function is only available _during a telephone conversation_.

To Turn Off the Keytone

1. Press **MENU** while you are on the phone.

2. Press **3** on the keypad.

   Result: The message '`SILENT`' is displayed.
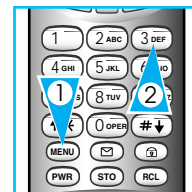
3. Enter the desired number.

   Result: There is no keytone when you press the keys during a conversation.
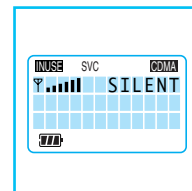
To Turn On the Keytone

1. Press **MENU**.

2. Press **3** on the keypad.

   Result: The message '`SILENT`' disappears and the keytone sounds.

   ▶ **Note:** If you do not turn on the keytone, you cannot use ARS service or Call Pager.

Sending Your Own Phone Number

When leaving a message on someone else's pager, you may be asked to enter your phone number. You can conveniently transmit your number to the pager by pressing two keys instead of the entire number.

☞ *This function is only available during a telephone conversation.*

1. When the pager asks you to enter your phone number after calling paging system, press **MENU**.

2. Press **9** on the keypad.

   Result: Your phone number is dialed automatically.

Displaying Your Own Phone Number

You can check your own phone number.

1. Press **RCL**.

2. Press ↓.

   Result: The message '**PHONE #:**' and your own phone number is displayed.

Analog Force Call

Your phone is preset to Digital mode. If you want to call in Anolog mode, use this feature. This feature allows you to make a call in Analog mode one time. When you end the Analog call, your phone returns to Digital mode.

▶ **Note:** If you do not make a call within 10 minutes after you enable this feature, your phone also returns to Digital mode.

1. Press **MENU**.

2. Press **6** on the keypad.

3. Press ↑ or ↓:

To...	Choose...
Enable one time analog call	YES
Exit this function	NO

4. Press **STO**.

Key Lock

Key Lock is a feature that will prevent you from accidentally pressing a key. If you activate this feature, the keys on the phone are locked and cannot be operated.

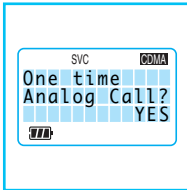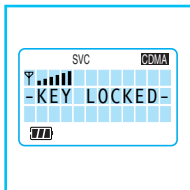1. Press 🖐 and hold down for at least one second.

   Result: The message '**-KEY LOCKED-**' is displayed and your phone does not operate when the keys are pressed.

2. To turn off the feature, press 🖐 and hold down for at least one second.

   Result: The message '**-KEY LOCKED-**' disappears.

▶ **Note:** Key Lock will not work with the Hands-free Kit. If you try to use the Hands-free Kit while the Key Lock feature activated, Key Lock is automatically turned off.

Dual Tone Multi-Frequency (DTMF) Dialing

This feature allows you to utilize additional phone services, such as accessing an alternate long distance network, signaling pager, or banking by phone. The following two sections explain how using Memory and Pause make it easier to send DTMF messages.

▶ If '**SILENT**' is displayed, turn on the keytone. See 'Silent Scratchpad' on page 45.

Using Memory

You can store long numbers (such as ID codes, passwords, credit card numbers, etc.) in memory. This enables you to transmit them very quickly without having to input all the digits in each transaction.

Begin by storing each of your credit card numbers (or ID codes, etc.) in one of your phone's memory locations in the same way you store a phone number in memory (see page 30 'Storing Numbers in Memory'). When making a business transaction by phone, the service will ask you to enter the DTMF code. To do so, follow these steps:
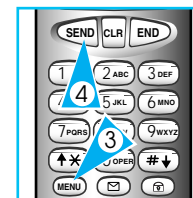
1. Press **RCL**.

2. Enter the memory location where the appropriate number is stored.

   Result: The number is displayed.

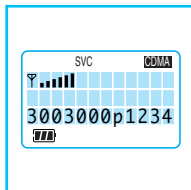3. Press **MENU**.

4. Press **SEND**.

Using Pause

You can insert one or more pauses between the DTMF tones. You can enter up to 36 digits including the pause.
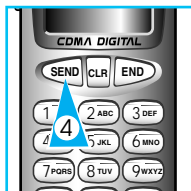
1. Enter the phone number of the service that you wish to access.

2. Press **MENU** to insert a pause.

   Result: The pause indication 'p' is displayed after the phone number.

SVC   CDMA

3003000p1234

3. Enter the number to be dialed in DTMF.

4. Press **SEND**.

   Result: When the service answers, the announcement tells you to enter your number.
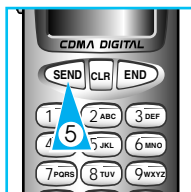
5. Press **SEND** again.

   ➡ **Note:** If a pause is inserted more than once, press **SEND** after each pause to transmit the next servies of numbers.

Tracking Time

Your phone helps you by tracking time in several ways:

◆ Current Time
◆ Last Call Time
◆ Cumulative Air Time

Setting or Changing Current Time

1. Press **MENU**.

2. Press **3** on the keypad.

3. Press **1** on the keypad.

   Result: The current time, if previously set, is displayed. If you are entering the time/date for the first time, you will see: **Current Time**
   MM/DD/Year
   HH:MM

4. Enter the time and date by pressing the number keys in the sequence of month/day/year/hour/minute.
   ◆ The month, day, hour, and minute must be entered with 2 digits. The year requires all four digits. The current time must be entered in the 24-hour clock but will be displayed in the 12-hour clock when you check it in the future.

   Example: January 1, 1997, 2:15 PM would be entered: **010119971415**

   ◆ To correct a mistake, move the cursor to the wrong digit by pressing ↑ or ↓ and then correct the number.

5. Press **STO**.

   Result: The current date and time is displayed.

SVC   CDMA

SET TIME
03/15/1997
14:15
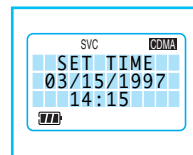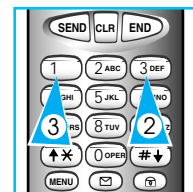
Checking the Last Call or the Cumulative Air Time

This feature allows you to check the duration of the last call or the cumulative air time.

1. Press **MENU**.
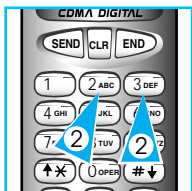
2. **To check...**   **Press...**

   Last call time   **3** then **2**,
                           in sequence

   Cumulative   **3** then **3**,
   air time   in sequence

   Result: The last call or the cumulative air time is displayed in year/day/hour/ minute/second.
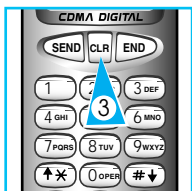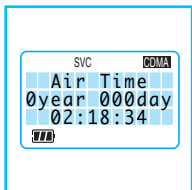
3. Press **CLR** to exit this function.

Erasing Cumulative Air Time

1. Press **MENU**.
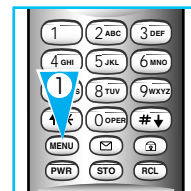
2. Press **3** on the keypad.

3. Press **4** on the keypad.

   Result: The message '**Clr AirTime?**' is displayed.

4. Press ↑ or ↓ to choose '**YES**'.

5. Press **STO**.

   Result: '**AIR TIME IS CLEARED**' is displayed and all cumulative air time is deleted.
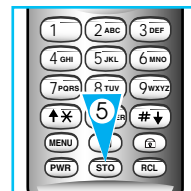
Call Reminder Alert

This feature allows you to place a call at a specified time. The phone will beep and the phone number will be displayed.

To Turn On the Feature

1. Press **MENU**.
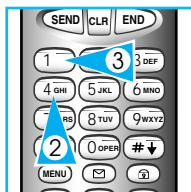
2. Press **4** on the keypad.

3. Press **1** on the keypad.

   Result: The display prompts you to enter a phone number.

   ▶**Note:** If this feature is already set up, the Remind Call, ⏲ , reservation time and phone number are displayed. If you wish to reset, press **STO**.

4. Enter the phone number you want to place a call at a specified time.

5. Press **STO**.
   Result: The display prompts you to enter the time you want to place the call.

6. Enter the time (in 24-hour clock) that you want to be reminded to place the call.

   ▶**Notes:**
   - If the current time has previously been stored in your phone's memory, you can enter a specific time for the alert to sound. You can select 'Minute mode' or 'Time mode' by using ▲ or ▼.
   - If the current time has not been stored in your phone's memory, enter the number of minutes from now that you want the alert to sound.
   - To correct a mistake, move the cursor to the wrong digit by pressing ↟ or ↡ and then correct the number.
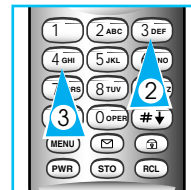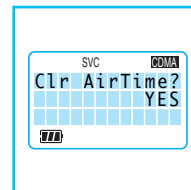

7. Press **STO**.

   Result: A clock icon ⏲ appears in the bottom right of the display as a reminder that Call Reminder Alert has been set. To see the time or phone number of the alert, press **4** and **1**, in sequence. Press **END** to exit the function (the Alert remains set).

8. The phone alerts you and the phone number is displayed at a specified time. If you wish to make a call, press **SEND**.

   Result: At the specified time, the phone reminds you by sounding an alert tone and displays the phone number you are to call. Press **SEND** to automatically dial the number.
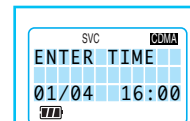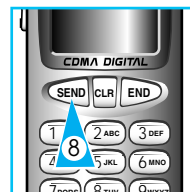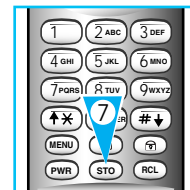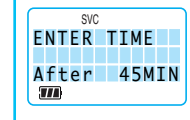
Notes:
- The phone must be on for this feature to work. If you set up a Call Reminder Alert and then mistakenly turn your phone off, the phone will not remind you to make the call. If you turn the phone back on, the Alert will still work if, in Step 6, you set it for a specific time. If you set the Alert for a certain number of minutes in Step 6, turning off the phone erases it although it does not remove the clock icon from the phone's display. You must reset the Call Reminder Alert.

- If you turn the phone off, then on when this reminder alert is set:

If the time is appointed...	Call reminder setup...
At the current time mode	Remains to be on.
Using time duration (in minute) mode	Cancels.

Turning Off the Call Reminder Alert
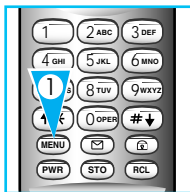
1. Press **MENU**.

2. Press **4** on the keypad.

3. Press **2** on the keypad.

   Result: The message **Release Remind Call? YES** is displayed.

4. Press ↑ or ↓ :

To...	Choose...
Release the alert call	YES
Exit this function	NO

5. Press **STO**.

Customizing Your Phone

You phone is loaded with many features, some automatic, that make communication easier and more efficient. Get familiar with them and use them to save time and to make your new Samsung phone even more fun to use!

Features

Automatic Redial: When you dial a number and the call does not successfully connect, the phone will continue to redial the number automatically.

Automatic Receiving: When a call comes in, the phone will automatically answer the call after 2 rings.

Note: The Automatic Receiving feature does not work if you have chosen LAMP as your alert type.

Tone Length: Some phones that you may be calling can only recognize a longer tone. You may have to change the tone length to **Long** for some calls that you place.

Note: When calling a paging system, your phone should be in the **Short** mode.

Back Light: When you first turn on your phone and when you press a key, the display and keyboard light up. There are three ways to set up back light.

- **Automatic**: The light goes off automatically 8 seconds after you turn on the phone or press the last key.
- **Always OFF**: The light never comes on.
- **Always ON**: This feature works only with the hands-free kit. If you activate this feature while using the hands-free kit, the back light stays on.

Call Time Display: The call time counter is automatically displayed when the phone is connected to the system and you can check the call time during a conversation.

Current Time Display: Activate this feature to keep the current time displayed.

Automatic Hyphen: Your phone inserts a hyphen between numbers on the display when you enter a phone number to make it easier to read.

Release Tone: You can set your phone to sound the release tone when a call is released or dropped .

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

Send PIN: If your service provider requires you to enter a PIN number in order to place a call, you can set up your phone to automatically send your PIN number after you enter the lock code. (Check with your service provider to see if a PIN number is required.)

Setting the Features

1. Press **MENU**.

2. Press **1** to select 'Auto Setup'.

   The function numbers for the features are:
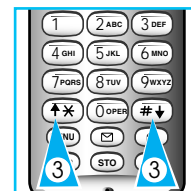   1: Auto Redial
   2: Auto Receiving
   3: Tone Length
   4: Back light
   5: Call Time Display
   6: Current Time Display
   7: Auto Hyphen
   8: Release Tone
   9: Connect Tone
   0: Send PIN

3. Press ↑ or ↓ to scroll through the features.

4. Press the number of the function you wish to change.

5. Press ↑ or ↓ to choose the status.

6. Press **STO**.
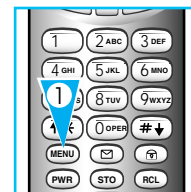
Changing Greeting Message

This feature allows you to change the greeting message displayed when you turn on the phone.

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code.

   ➡ **Note:** The lock code is preset to 0000 at the factory. See page 64 for how to change the lock code.


```
    SVC          CDMA
Greeting?
```
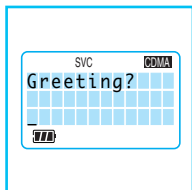
4. Press **1** to select Greeting.

5. Enter your new greeting message by pressing the letters marked on the number keys on the keypad. (See page 34 for details on entering letters with the number keys.)

6. Press **STO**.

Restricting the Use of the Phone

You can restrict the use of the phone by unauthorized persons. There are 3 restriction modes:

◆ **Restrict Dial from Memory:** In this mode, you cannot access the memory feature. Storing or recalling numbers from memory is prohibited. If you try to use the memory feature, '**MEMORY IS RESTRICTED**' is displayed.

◆ **Restrict Incoming Call:** In this mode, you cannot answer incoming calls. '**PAGE RESTRICTED**' is displayed.

◆ **Restrict Special Call:** In this mode, you cannot dial a special phone number having 2 digits or less (i.e. a number stored in the internal phone book). If you try to dial a number with 2 digits or less, '**SPEC. CALL IS RESTRICTED**' is displayed.

➡ **Note:** In all restriction modes, you can make 3-digit emergency calls such as **911**.

Setting Restriction Modes

1. Press **MENU**.

2. Press **0** on the keypad.

   Result: The display instructs you to enter your lock code. (For more on lock codes, see page 63, 'Locking the Phone' and page 64, 'Changing the Lock Code'.)

3. Enter your lock code.

   Result: If the correct lock code is entered, the Setup menu is displayed.

4. Press **4** to select 'Restrict' function.

Result: The restriction modes are
displayed. They are:
1. Memory dial
2. Incoming call
3. Special call
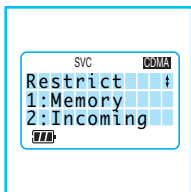
5. Press the number of the mode you
wish to select.
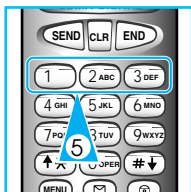
6. Press ↑ or ↓ to choose the status
(**YES** or **NO**).
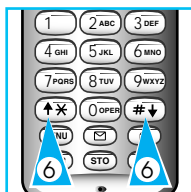
7. Press **STO**.

Locking the Phone

You can lock your phone so that calls cannot be made
by unauthorized individuals. You can still receive
incoming calls when your phone is locked by entering
the lock code while the phone is ringing. Turning the
phone off does not erase this feature; the phone stays
in the locked mode until you reset it by going through
the **MENU** steps below.

☞ *IMPORTANT: You can place a 3-digit emergency call (such as
911) even when the phone is locked.*

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code.

▶ **Note:** The lock code is preset to
0000 at the factory. (To learn how
to change the lock code, see the
next section, 'Changing the Lock
Code'.)

4. Press **2** to select 'Auto Lock'.

5. Press ↑ or ↓ to choose the status
(**YES** or **NO**).

6. Press **STO**.
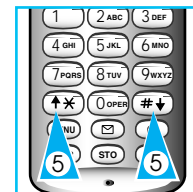
Changing the Lock Code

When you purchase your phone, the lock code is preset to 0000. You can change the lock code to the 4-digit code of your choice. You can also change the code any time you wish. To change the lock code, follow these steps:

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the current lock code.

   Result: An asterisk (✳) is displayed for each digit entered.

4. Press **3** to select 'Lock Code' function.
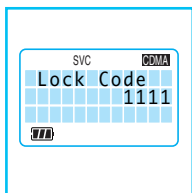
5. Enter your new lock code.

   ▶ **Note:** The lock code must be four numeric digits.

6. Press **STO**.

   ▶ **Note:** If you enter fewer than 4 digits, '**TOO FEW DIGITS!**' is displayed and the phone returns you to Step 5.

Setting Warning Beeps

You can set your phone to make warning beeps while you are on a call that indicate:

◆ each minute you on a phone call
◆ when you change service area

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code. (For more on lock codes, see page 63, 'Locking the Phone' and page 64, 'Changing the Lock Code'.)

   Result: An asterisk (✳) is displayed for each digit entered.

4. | **Press...** | **To select...** |
   |---|---|
   | **5** | One-minute alert |
   | **6** | Service alert |
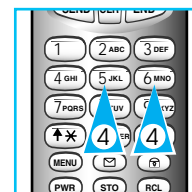
5. Press ↑ or ↓ to choose the status (**YES** or **NO**).
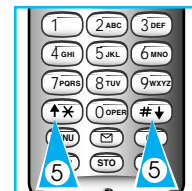
6. Press **STO**.

To Choose NAM

The NAM (Number Assignment Module) allows you to subscribe to one or more service networks. Your phone has a manual and an Automatic mode for selecting the network . In the Manual mode , you set the phone to the network you want to use. In the Automatic mode, the phone automatically selects the network based on system information for the area you are in.

To choose NAM mode

1. Press **MENU**.

2. Press **0** on the keypad.
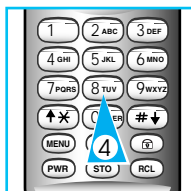
3. Enter the lock code.

> ▶ **Note:** The lock code is preset to 0000. To change the Lock Code, see page 64.
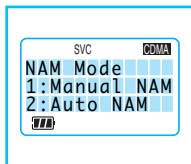
4. Press **8** to select 'NAM Mode'.

5. **To...**   **Press...**
   Choose   • **1**
   Manual NAM • ↑ or ↓ to choose
                       the desired NAM(1-4)

   Choose   • **2**
   Auto NAM   • ↑ or ↓ to choose
                       YES

6. Press **STO**.

System Selection

The system selection feature of your phone enables you to choose which of the system providers you will use.

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code.

> ▶ **Note:** The lock code is preset to 0000. To change the Lock Code, see page 64.

4. Press **9** to select 'System Sel'.

5. Press ▲ or ▼ repeatedly until the desired mode is displayed.

▶ **System Mode:**

A Only: Your phone will use only system A.

A Pref: Your phone will seek service on system A. If the call cannot be completed, the phone will automatically seek service on system B.

B Only: Your phone will use only system B.

B Pref: Your phone will seek service on system B. If the call cannot be completed, the phone will automatically seek service on system A.

Home Only: Your phone can place and receive calls only on your home system. Roaming in other cities is not possible.

6. Press **STO**.

System Reset

If you want to reset all of your phone's features back to the manufacturer's defaults, you can do so with the following steps:
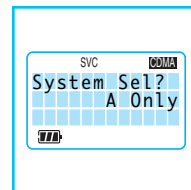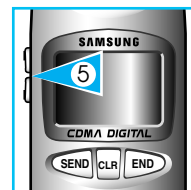

1. Press **MENU**.

2. Press **0** on the keypad.

3. Enter the lock code. (For more on lock codes, see page 63, 'Locking the Phone' and page 64, 'Changing the Lock Code'.)

   Result: An asterisk (∗) is displayed for each digit entered.

SVC   CDMA
Reset Phone?
             NO
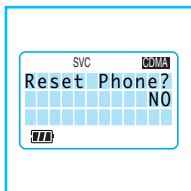
4. Press **0** to select 'Reset Phone'.

   Result: The message '**Reset Phone? NO**' is displayed.

5. Press ↑ or ↓ to choose the status (**YES** or **NO**).

6. Press **STO**.

   Result: The message '**WAIT TO RESET PHONE**' is displayed and all functions are converted to the default status.

Call Waiting

Call Waiting is a feature available on your phone which enables you to be alerted to a second incoming call while you are on the first call. You have the option of responding to the second call while putting the first call on hold or you can disable the Call Waiting option during a particular call. Contact your service provider to activate Call Waiting.

To Respond to the Call Waiting

1. When you hear a short tone during a telephone conversation, press **SEND**.

   Result: The first caller is on hold and you are now connected to the second caller.
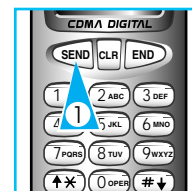
2. To switch back to the first call, press **SEND**.
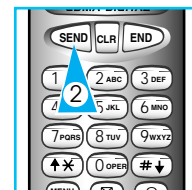
To Deactivate the Call Waiting During a Particular Call

If you don't want to be interrupted during a particular call, you can temporarily disable the 'Call Waiting' feature.

Contact your service provider for instructions on how to temporarily disable Call Waiting.

▶**Note:** Once you end that call, the 'Call Waiting' feature will be reactivated automatically.
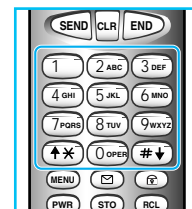
Setting Up Three-Way Calling

Three-way calling is a feature on your phone that enables you to set up a three-way conversation with two other numbers. Contact your service provider to activate Three-Way Calling.
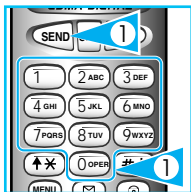
1. Dial the first number and press **SEND**.

2. Dial the second number.

3. Press **SEND** to put the original call on hold and place the new call.
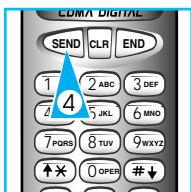
4. When you are connected, press **SEND** again to begin your three-way call.

> **Note:** When you use this feature, you will be charged normal airtime rates for both calls that you place.

Call Forwarding

Call Forwarding is a feature on your phone that enables you to forward all your incoming calls to another phone number, even if your phone is turned off. You can make calls from your phone when Call Forwarding is activated. Contact your service provider to activate Call Forwarding.

To Activate Call Forwarding

1. Press key sequences supported by your service provider.
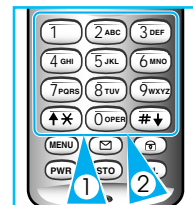
2. Enter the ten-digit phone number (area code+phone number) of the forward-to phone number.

3. Press **SEND**. You will hear a tone that confirms you've activated Call Forwarding.

To Deactivate Call Forwarding

1. Press key sequences supported by your service provider and **SEND** in sequence.

   Result: You'll hear a tone to confirm the deactivation.

Optional Features

Optional Features

Message Service

Message Service is a feature on your phone that allows the phone to receive alpha-numeric messages or voicemail. (Voicemail is available in the digital mode only.) Contact your service provider to activate Message Service.

► Notes:
- Your phone can receive up to 21 messages (voice+text).
- Each message can contain a maximum of 255 alpha-numeric characters.
- The messages are stored in the order they are received.

Finding Out You Have a Message

Your phone alerts you when you have new voicemail or text messages in several ways:

```
      SVC        CDMA
          NEW
    *Voice Mail*

    ▭▭  ✉
```

- By displaying '**NEW *Voice Mail***', '**NEW *Text Msgs***', or '**NEW * Page ***' message.
- By sounding an alert tone every 2 minutes (if the SMS alert is turned on. See page 76.)
- By displaying ✉ at the bottom of the display.

```
      SVC        CDMA
          NEW
    *Text  Msgs*

    ▭▭  ✉
```
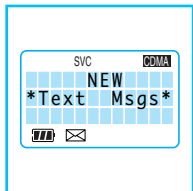
► Notes:
- If the message is urgent, '**URGENT**' is displayed instead of '**NEW**'.
- If a caller left a callback number, your phone displays the number. You can return the call instantaneously by pressing **SEND**.
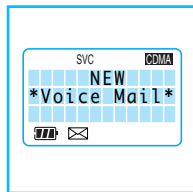- If ten messages are already stored in memory, it is full and the phone alerts you of this by displaying '**Memory Full ! No Msgs can be received**'. You must erase an old message to receive a new one.

Retrieving Messages in Voicemail
Contact your service provider to activate this feature.

1. Press ✉.

   Result:
   - Your phone displays the message options you can choose;
     1:Voice, 2:Text, 3:Erase All, 4:SMS Alert. Use ↑ or ↓ to see the option hidden in the display.
   - The total number of new messages is also displayed.
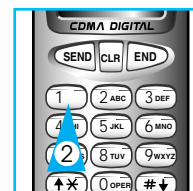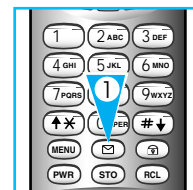
2. To listen to new or saved messages, press **1**.

   Result: Your phone displays:
   - Total number of new messages
   - Date and time the message was received

```
      SVC        CDMA
    02 New Msgs
     Voice Mail
    Nov09 12:40P
    ▭▭  ✉
```
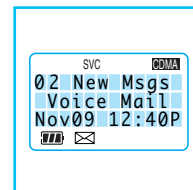
3. Press **SEND**.

   Result: Your phone calls and connects to the Voicemail center.
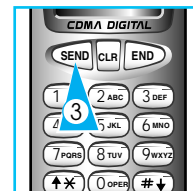
Reading Text Messages

1. Press ✉.

   Result:
   ◆ Your phone displays the message options you can choose; **1:Voice**, **2:Text, 3:Erase All, 4:SMS Alert**. Use ⬆ or ⬇ to see the option hidden in the display.
   ◆ The total number of new messages is also displayed.

2. To read the text messages, press **2**.

   Result: Your phone displays:
   ◆ Date and time the message was received
   ◆ Callback number (if the caller left one)

3. Press ⬆ or ⬇ to scroll through the messages.

4. After you read the message:

To...	Press...
Display the previous message	**7**
Display the next message	**9**
Erase the message	**CLR**
Exit this function	**END**

Callback

1. When you're reading a text message, if the person who called you left a callback number, your phone displays the page number.
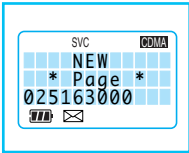
2. You can return the call instantaneously by pressing **SEND**.

Voicemail One-Touch Access

To call your Voicemail from your phone, press and hold ✉ for at least one second. (This feature may not be available with some service providers.)


Erasing All Messages

1. Press ✉.

2. Press **3** on the keypad.

3.
To...	Press...
Erase all messages	**CLR**
Cancel or Exit this function	**END**

Choosing Alert Type for Message Receiving

The phone alerts you when a message is received. You can choose how frequently this happens. The three options are: **OFF**, **ONCE**, or **EVERY 2 MINUTES**. To set the frequeney.

1. Press ✉.

2. Press **4** on the keypad.

3. Press ↑ or ↓ until you find your desired type.
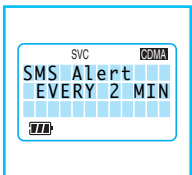
4. Press **STO** to store your selection.

   Result: The display shows your selection.

Cleaning Your Cellular Phone

There are no specific cleaning requirements for your cellular phone.

1. Do not allow water to get into the phone, particularly the battery. Do not spray aerosol cleaners directly on the phone because excess liquid could seep under the keypad.

2. Do not use abrasive powders, sponges, or solvents of any kind (i.e. trichlorethylene or acetone) as they may damage the plastic surfaces.
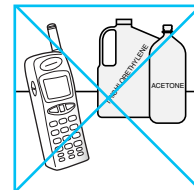
3. If the battery or charger terminals become stained or rusty, clean them with a soft cloth.
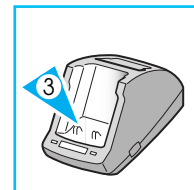
4. Keep the metal contacts at the bottom of the battery clean.
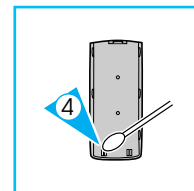
Battery Safety Precautions

The following information about your phone's battery is very important to the life and operation of not only the battery but also your phone. Failure to adhere to these precautions may reduce the service life of the battery. Please read and follow these precautions carefully.
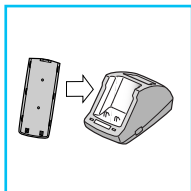
To maximize the charging capacity, avoid repetitive partial discharging and charging. Wait until you hear the battery low alarm before you charge the battery.
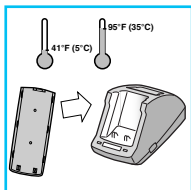
DO NOT use or charge the batteries in extreme temperature conditions:
◆ Above 95°F (35°C)
◆ Below 41°F (5°C)
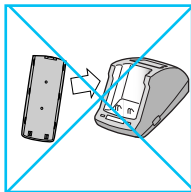
DO NOT use any charging devices other than the ones supplied with your cellular phone.
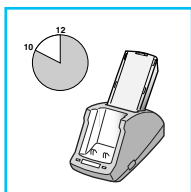
DO NOT charge a battery for more than 24 hours continuously.

Use only Samsung approved batteries with your phone (SCH-110). Used batteries should not be disposed of in a fire or waste bin. Dispose of them in accordance with local legislation.
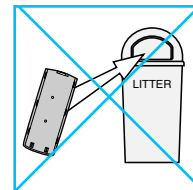
DO NOT disassemble the battery. There are no user-serviceable parts inside it. DO NOT drop a battery or subject them to physical shocks.
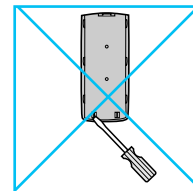
Do not open or puncture the battery : the released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.

Keep the batteries out of children's reach.
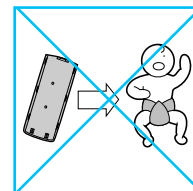
If the batteries are not used for a long period of time (about one year), their service life may be reduced. Store them in a cool, dry place.
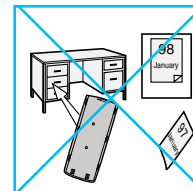
Accessories

Hands-free Kit

The hands-free kit provides you hands-free operation in your vehicle with unlimited talk time.

The hands-free kit built-in charger allows battery charging in your vehicle.

The hands-free kit includes the following. For more information about hands-free kit, see hands-free kit manual.
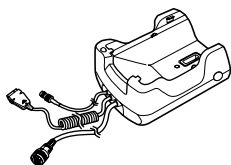
Cradle
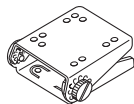
Mounting bracket
(for cradle)
※ screws included

Hands-free box
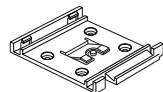
Mounting bracket
(for hands-free box)
※ screws included

Power cable
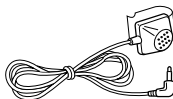
Hands-free
microphone

Whip antenna and
protection cover

On-glass antenna

➡ You can choose between whip antenna and on-glass antenna.

Cigarette Lighter Charger

Allows you to charge your batteries in your vehicle.
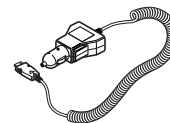
Travel Charger

A smaller charger, convenient for packing, for those who travel.
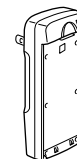
Battery

SCH-110BAT : Standard capacity battery.
(Ni-MH)
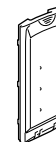
Troubleshooting

Before contacting an authorized service center, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

NOSVC is displayed in the display.
◆ Make sure you are in the service area.
◆ If you have changed the service system, wait for about 2 minutes.
◆ Make sure you have chosen correct service system mode
◆ Sometimes, NOSVC indication appears briefly. It is normal.

Beep tone sounds when you place a call.
◆ The call has not gone through.
  • When beep tone sounds, press **SEND** again so the number is redialed automatically.
  • To cancel automatic redial, press **END**.

Ringer bell does not sound and receiving lamp flickers.
◆ You have set the phone to the lamp mode.

LOCKED is displayed and you cannot make a call.
◆ The phone is locked.
  • Enter your lock code. (Default:0000)
  • If you forgot the lock code, consult with the service center.

Battery usage time is different with that of this manual.
◆ If you use analog or digital mode alternately, the usage time may be reduced.
◆ You may be recharging your battery too frequently or before it is completely discharged (see Battery Safety Precautions on page 78).
◆ Always store batteries in a cool, dry place.

The phone does not turn on, even though the battery is full.
◆ Remove battery from the phone and reattach it.

Nothing is displayed
◆ Check that the battery has been charged and installed correctly.
◆ Check that the phone has been switched on (**PWR** button pressed for more than one second).

You have entered a phone number but the phone is not dialing it.
◆ Have you pressed the **SEND** button?
◆ Is the cellular phone service currently available (**SVC** displayed)?
◆ Are you accessing the right cellular network (if the phone is programmed for dual network use)?

Your party cannot reach you
◆ Is your phone switched on (**PWR** button pressed for more than one second)?
◆ Are you accessing the right cellular network (if the phone is programmed for dual network use)?

Your party cannot hear you speaking
◆ Have you switched off the microphone (MUTE displayed)?
◆ Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The phone starts beeping and ⬜ flashes on the display
◆ The battery is insufficiently charged. Replace the battery and recharge it fully until the lamp on the charger turns green.

The audio quality of the call is poor
◆ Check the signal strength indicator ( ) on the display; the number of bars indicates the signal strength from weak ( ) to strong ( ).
◆ Try extending the antenna, moving the phone slightly or moving closer to window if you are in a building.

No number is dialed when you recall a memory location
◆ Check that the numbers have been stored correctly, by using the memory scan feature (See page 39).
◆ Re-store them in the memory, if necessary.

If the above guidelines do not enable you to solve the problem, make a note of:
◆ The model and serial numbers of your phone
◆ Your warranty details
◆ A clear description of the problem

Then contact your local dealer or SAMSUNG Authorized Service Center.

MAINTENANCE REQUIRED	The phone number is not registered in the base station.
MEM. (00-89) IS FULL	There is no empty location under which you can store phone numbers.
MEMORY IS RESTRICTED	You have tried to make a call while the phone is in the Memory Restricted Mode.
MEMORY USED! STORE? YES	A phone number is already stored in the selected memory location.
NO INCOMING CALL LOGS	The incoming phone number has not been logged in your phone's internal phone book.
NO MATCH NUMBER	The phone number you are trying to recall does not exist.
NO OUTGOING CALL LOGS	There is no phone number you called.
NO SERVICE	The phone is out of service area.
PAGE RESTRICTED	While the phone is restricted, you have tried to answer call.
REDIAL CALL FAILED	The call cannot be made completely even after automatic redialing.
SPEC.CALL IS RESTRICTED	While the phone is restricted, you have tried to make a special call.

Summary

BASIC OPERATION

Turning on and off	**PWR** *(press and hold)*
Making a call	Phone number + **SEND**
Receiving a call	Any button (*except for* **PWR**)
Adjusting volume	
• Keytone	*(in Standby mode)* ▼/▲
• Speaker	*(while on the phone)* ▼/▲
• Alert volume	**MENU** + **2** + **3** + ▼/▲
Mute/Unmute	*(while on the phone)* **MENU** + **2**
Choosing alert type	**MENU** + **2** + **1** + ↑/↓ + **STO**
Choosing alert tone	**MENU** + **2** + **2** + ↑/↓ + **STO**
Redial last 10 numbers	
• Scanning outgoing calls and dial	**SEND** + ↑/↓ + **SEND**
• Scanning incoming calls and dial	**RCL** + **RCL** + ↑/↓ + **SEND**
• Erasing all numbers in redial memory	**MENU** + **5** + **3** + **1** + ↑/↓ + **STO**
• Erasing incoming numbers in redial memory	**MENU** + **5** + **3** + **2** + ↑/↓ + **STO**
• Erasing outgoing numbers in redial memory	**MENU** + **5** + **3** + **3** + ↑/↓ + **STO**

THE PHONE'S INTERNAL PHONE BOOK

Recalling empty location	**RCL** + ↑
Recalling empty location under a specified group	**RCL** + **0-9** + ↑
Storing numbers into	
• Specific memory location	Phone number + **STO** + location (00-99) + name + **STO**
• Any empty location	Phone number + **STO** + ↑ + name + **STO**
• Specific numeric group	Phone number + **STO** + **0-9** + ↑ + name + **STO**
Calling numbers by	
• One-touch	**0-9** *(hold the last digit of the hot line memory 00-09)*
• Two-touch	**10-99** *(press shortly the first digit and hold the last digit)*
Scanning memories by	
• Location number	**RCL** + location (00-99) + ↑/↓
• Name	**MENU** + **7** + name + **RCL** + ↑/↓
• Partial phone number	The part of phone number as long as you know + **RCL** + ↑/↓
• To dial	**SEND** *(press when the desired number appears)*
Erasing a specific memory location	**CLR** *(hold)* + **STO** + location (00-99) + **STO**
Erasing All Numbers in Memory	**MENU** + **0** + lock code + **7** + ↑/↓ + **STO**

Silent Scratchpad	*(while on the phone)* **MENU** + **3**
Sending own number	*(while on the phone)* **MENU** + **9**
Own number display	**RCL** + ↓
Analog Force Call	**MENU** + **6** + ↑ /↓ + **STO**
Key lock	☎ (hold)

Dual Tone Multi-Frequency (DTMF) Dialing

• Using memory dial	*(while on the phone)* **RCL** + location (00-99) + **MENU** + **SEND**
• Using pause insert	Phone number + **MENU** + Phone number + **SEND** + **SEND**
Setting current time	**MENU** + **3** + **1** + time + **STO**
Checking last call time	**MENU** + **3** + **2**

Cumulative call time

• Checking	**MENU** + **3** + **3**
• Erasing	**MENU** + **3** + **4** + ↑ /↓ + **STO**

Call reminder alert

• Turn on	**MENU** + **4** + **1** + Phone number + **STO** + time + **STO**
• Turn off	**MENU** + **4** + **2** + **STO**

Automatic redial	**MENU** + **1** + **1** + ↑ /↓ + **STO**
Automatic receive	**MENU** + **1** + **2** + ↑ /↓ + **STO**
Tone length	**MENU** + **1** + **3** + ↑ /↓ + **STO**
Back light	**MENU** + **1** + **4** + ↑ /↓ + **STO**
Call time display	**MENU** + **1** + **5** + ↑ /↓ + **STO** or *(while on the phone)* **MENU** + **1**
Current time display	**MENU** + **1** + **6** + ↑ /↓ + **STO**
Auto hyphen	**MENU** + **1** + **7** + ↑ /↓ + **STO**
Release Tone	**MENU** + **1** + **8** + ↑ /↓ + **STO**
Connect Tone	**MENU** + **1** + **9** + ↑ /↓ + **STO**
Send PIN	**MENU** + **1** + **0** + lock code + ↑ /↓ + **STO**
Changing greeting message	**MENU** + **0** + lock code + **1** + new greeting + **STO**

Restrict phone use

• No memory dial	**MENU** + **0** + lock code + **4** + **1** + ↑ /↓ + **STO**
• No incoming call	**MENU** + **0** + lock code + **4** + **2** + ↑ /↓ + **STO**
• No special call	**MENU** + **0** + lock code + **4** + **3** + ↑ /↓ + **STO**
Changing lock code	**MENU** + **0** + old lock code + **3** + new code + **STO**
Locking the phone	**MENU** + **0** + lock code + **2** + ↑ /↓ + **STO**

One-minute beep during conversation	**MENU** + **0** + lock code + **5** + ⬆/⬇ + **STO**
Service area change alert	**MENU** + **0** + lock code + **6** + ⬆/⬇ + **STO**
NAM Mode	**MENU** + **0** + lock code + **8** + 1:Manual NAM/2:Auto NAM + ⬆/⬇ + **STO**
System selection	**MENU** + **0** + lock code + **9** + ⬆/⬇ + **STO**
System reset	**MENU** + **0** + lock code + **0** + ⬆/⬇ + **STO**

OPTIONAL FEATURES

Call waiting

• To respond	(when you hear a beep during a phone conversation) + **SEND** (to switch back) + **SEND**
• To deactivate	Contact your service provider.
Setting up 3-way calling	1st phone number + **SEND** + 2nd phone number + **SEND** + **SEND**
Call forwarding	Contact your service provider.

Message service

• To retrieve voice mail	✉ + **1** + **SEND**
• To read text message	✉ + **2** + ⬆/⬇
• To callback	**SEND**
• To erase all messages	✉ + **3** + **CLR**
• To choose alert type	✉ + **4** + ⬆/⬇ + **STO**

```
Main Menu
─────────────────────────────────────────────
1:Auto Setup (p.57) ─── 1:AutoRedial - YES/NO
                        2:Auto Recv - NO/YES
                        3:ToneLength - Short/Long
                        4:Backlight - Automatic/
                                      Always  ON/
                                      Always OFF
                        5:Call Time - Display ON/OFF
                        6:Curr. Time - ON/OFF
                        7:AutoHyphen - ON/OFF
                        8:Rls. Tone - NO/YES
                        9:Conn. Tone - NO/YES
                        0:Send PIN - Never/Prompt

2:Alert Sel ─── 1:Alert Type - BELL/LAMP (p.25)
                2:Alert Tone - Select 1~9 (p.26)
                3:Alert Vol (p.23)

3:Timers ─── 1:Set Time (p.51)
             2:Call Time (p.52)
             3:Air Time (p.52)
             4:ClrAirTime - NO/YES (p.53)

4:RemindCall ─── 1:Set (p.54)
                 2:Release - YES/NO (p.56)

5:Call Logs ─── 1:Outgoing (p.27)
                2:Incoming (p.28)
                3:Erase Logs (p.29) - 1:All/2:Incoming/
                                      3:Outgoing

6:Analog Call ─── One time
                  Analog Call - YES/NO (p.47)
```

```
7:NAME Srch. (p.40)

0:Setup ──── 1:Greeting (p.60)
(Lock code is      2:Auto Lock - NO/YES (p.63)
 required to
 setup features.)  3:Lock Code (p.64)
             4:Restrict (p.61) - 1:Memory/2:Incoming/
                                     3:Special
             5:1min Alert - NO/YES (p.65)
             6:SVC Alert - NO/YES (p.65)
             7:Clr Memory - NO/YES (p.44)
             8:NAM Mode (p.66) - 1:Manual NAM
                                 2:Auto NAM
             9:System Sel (p.67) - A Only/A Pref/B Only/
                                    B Pref/Home Only
             0:ResetPhone - NO/YES (p.68)
```

During a Telephone Conversation

```
1:Call Time
2:Mute/Unmute
3:Silent Key
4:Call Logs ──── 1:Outgoing
                 2:Incoming
9:Send Tel #
SND:SendDTMF
```

Message Menu

```
1:Voice
2:Text
3:Erase All
4:SMS Alert ──── EVERY 2 MIN/OFF/ONCE
```