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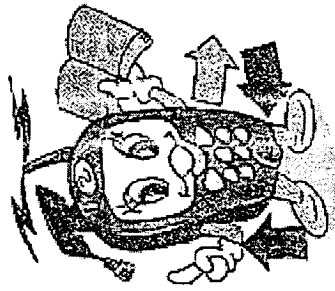
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Chapter 1

Getting Started

- 1) Precautions
- 2) Description of the Phone and Accessories
- 3) Phone Overview
- 4) Inserting and Removing the Battery
- 5) Charging the Battery
- 6) Tips for Efficient Use of the Battery



Precautions

100%
Before you start, please make sure that the battery is fully charged.



Do not use the phone in high-temperature or high-humidity environments. If soaked with liquids, the phone may not be possible to be repaired.



Do not take apart or modify the phone.



Do not touch the antenna during a call.



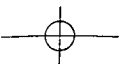
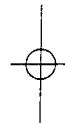
Keep the phone in a safe place when not in use to avoid damages resulting from vibration or impact.



Do not clean your phone with chemical solutions such as solvent or thinner.

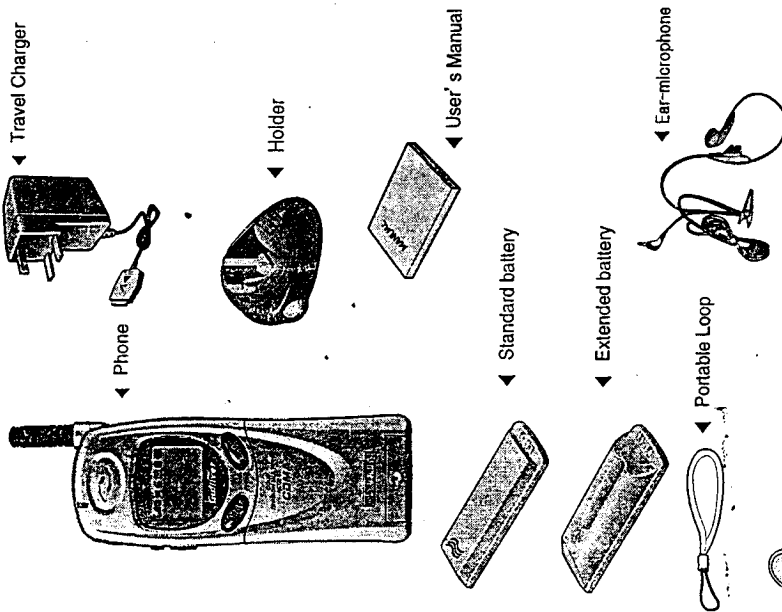


Do not use or place your phone near explosive materials, inflammable liquids or gases.



Description of the Phone and Accessories

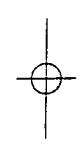
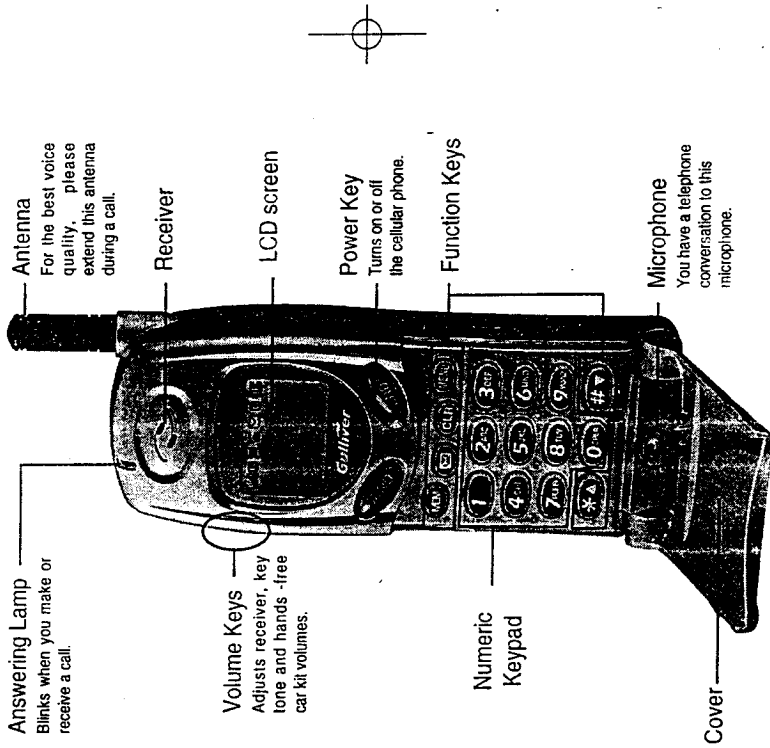
Thank you for choosing Hyundai Electronics. Please check your phone kit to make sure that the kit includes the following items.



In case of any product defect, please report it to the place of purchase immediately.

Phone Overview

Main components and their functions



Phone Overview

Function Keys



Enters menu and shows a list of functions or features served.



Makes or answers a call.



Terminates a call or returns to standby (initial mode) by pressing the key quickly. Switches the phone on/off by pressing and holding the key for more than one second.



Erases one character at a time, clears all at once and returns to standby mode by pressing the key for more than one second or exits from the current menu.



Saves a setting in memory when in menu; Stores a phone number and the associated name in memory or deletes them; or Retrieves a list of phone numbers or names that are stored in memory or the last 10 called numbers.



Scrolls through menus, settings or memories.



Retrieves text or voice messages.

Phone Overview

Display Indicators





(Signal strength)
Shows signal strength with the number of bars (0-5).



(Roaming)
Indicates that the phone is within service area of a cellular system other than your home registered system.



(Service possible/impossible)
When within service area,  is displayed. If not,  is displayed.



(Busy)
 Appears when the line is busy.



(Short message service)
Appears when text or voice messages are received and currently held.



(Digital mode)
Indicates that the phone is in digital mode.



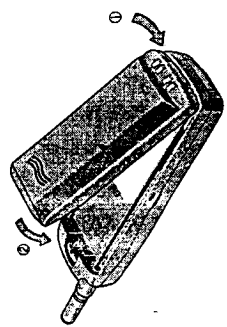
(Balance of battery power)
Shows balance of available battery power with the number of bars (0-4).



Inserting and Removing the Battery

Inserting the battery

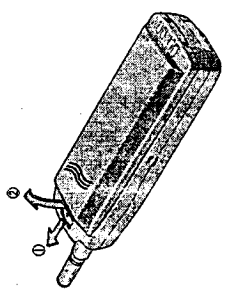
- 1 Put the battery to fit into the groove at the bottom of the phone and then press the battery to the direction of 2 until it snaps.



The battery must be correctly placed in the battery compartment.
If battery is incorrectly inserted, the phone won't turn on or the battery may slip out when in use.

Removing the battery

- 1 Pull out the battery to the direction 2 while pushing the separation tab to the direction 1.



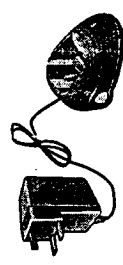
Charging the Battery

Connecting power

Plug in a power outlet after connecting the jack of the travel charger to the connecting slot on the back of the holder.

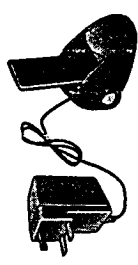


A charger with automatic FREE VOLTAGE feature (110V/60/220V) can be used for battery charging without setting.
When connected, the orange light blinks twice.



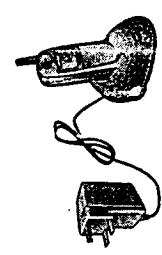
Charging the battery only

For battery charging without the phone, insert the battery pack into the battery-only charging slot on the rear of the charger.



Charging the battery with the phone

For battery charging with the phone, insert the battery-mounted phone into the front slot of the charger.



Charging the Battery

Charging the Battery During a Travel

Connect the jack of the travel charger to the connecting slot on the bottom of the phone.

- Make a call or charge the battery after inserting the battery.

Indication of Charging Progress

When the green light is turned on, the battery is fully charged

Indication of Charging Progress with the Lamp

Slating (Orange color on)	Charging in progress (Red color on)	Charging completion (Green color on)
●	●	●

If the lamp of the charger is not turned on or the red light blinks after installing a battery in the charger, it indicates that the battery is not being charged. It also tells that the battery either has poor quality or is not installed properly. In either case, check if there is any impurity on your battery or charger and then attach the battery to your phone before charging it.

Charging the Battery

Battery Charging Time

Extended battery	About 300 minutes
Standard battery	About 300 minutes
Slim battery	About 200 minutes

If the surrounding temperature and that of battery itself is excessively high or low, charging may not be completed due to battery characteristics. So you need to charge the battery at normal temperature.

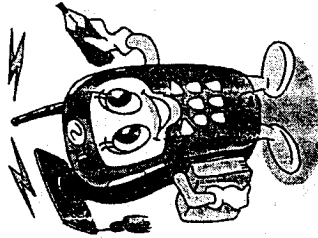
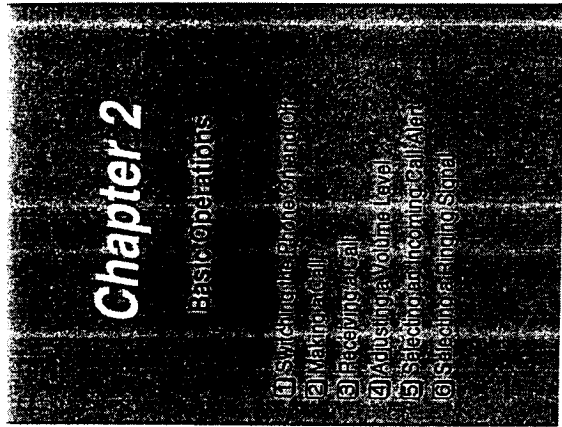
Battery Lifetime (to new battery)

Type	Extended Battery	Standard Battery	Slim Battery
Continuous call	375-440 min.	175-210 min.	95-110 min.
Continuous Standby	Slot mode 1: 108-120 hours Slot mode 2: 150-165 hours	50-56 hours 70-77 hours	25-30 hours 37-41 hours

- More power is consumed during an active call than in standby mode, accordingly, the standby time becomes shorter as the call gets longer.
- Battery lifetime varies depending on the operation environment (e.g., level of charging, operating temperature, usage, radio wave conditions, or keypad lighting time).
- The continuous standby time in digital mode can be different depending on the service types related to the slot mode of the mobile system provided by the service carrier.
- Slot mode is a communication cycle between the mobile system and the phone during the continuous standby in digital mode. The shorter the slot cycle, the more the number of switching is carried out, which causes more power to be consumed, resulting in less standby time.

Tips on efficient use of the battery

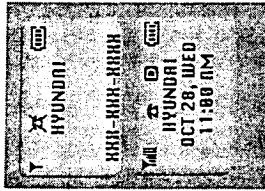
- ❖ Avoid charging in extreme temperatures not to drop the charging efficiency.
Do not charge under direct sunlight and hot and humid conditions.
- ❖ Keep your battery away from fire. Do not disassemble the battery or connect a battery pin to another for avoidance of battery explosion.
- ❖ Do not drop or hit the battery to an edge.
Heavy impacts on your battery can damage the circuits and components inside the battery pack and make its life shorter.
- ❖ Repetitive trials of battery charging gives an influence on battery lifetime.
Use a new one if your fully charged battery does not lasts for more than half of the battery lifetime as shown on page 16.
- ❖ Use only the accessories approved by the handset manufacturer to avoid damages on your handset and charger.
- ❖ Keep the battery pins and metallic parts of the charger clean before charging. Battery charging may not be completed if your battery or charger is dirty.
- ❖ Store or use your battery in a cool and dry place.
If the battery is left in a very hot or cold place, it causes poor battery performance and shorter battery lifetime.



Switching the Phone On and Off

Switching off the phone

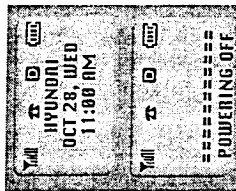
- 1 Press and hold [END/⊙] until the LCD light is turned on.



Your phone is in lock mode if "LOCKCODE" is displayed on the LCD.
Enter your four-digit lock code to unlock the phone.

Switching on the phone

- 1 Press and hold [END/⊙] until "POWERING OFF" is displayed and then the LCD light is turned off.



Making a Call

AREA CODE PHONE NUMBER

- 1 Enter the area code and phone number with the numeric keypad(0-9).

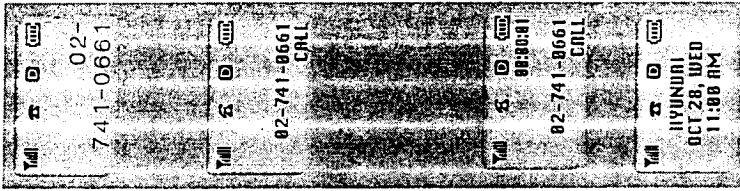
Correcting dialing mistakes.

- Press [CLR] quickly to delete one character at a time.
- Press and hold [CLR] for more than 1 second to clear the entire phone number all at once.

Press [SEND].

- "CALL FAILED" indicates that your call is not connected.
- Press [END/P] and [SEND] to try a call again when the line is busy.

- 3 Press [END/⊙] or close the phone to terminate the call.



- Press [SEND] to redial the number you just called.
- If [X] is displayed on the LCD, it indicates that the phone is out of service area of a cellular system. Move to the nearest service area to make a call.

Receiving a Call

Press any key

1 When a call is received, the phone rings, the answering lamp blinks and "INCOMING CALL" message is displayed on the LCD.

2 Press any key.

3 Have a telephone conversation.

4 Press [END/⏏] to terminate the call.

5 **AUTO ANSWER** allows you to receive an incoming call automatically after the predefined number of rings.
6 You can also receive a call by pressing volume keys even if the phone is closed.

Adjusting a Volume Level

The current volume setting can be controlled in two ways; by using the volume keys or the menu key.

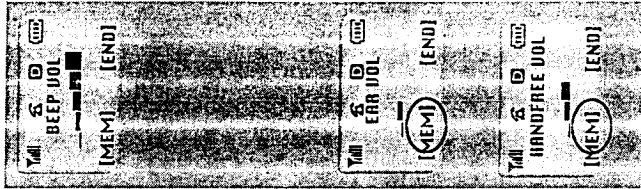
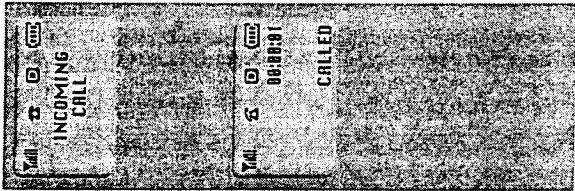
With the volume keys



1 Press the two volume keys on the side of the phone to adjust volume levels of ear-piece, ringer, beep, or hands free kit. Press upper volume key to increase the volume level and lower volume key to decrease it.

- Adjust ear piece volume during a call.
- Adjust beep volume in standby mode.
- Adjust hands-free volume when the hands-free kit is in use.

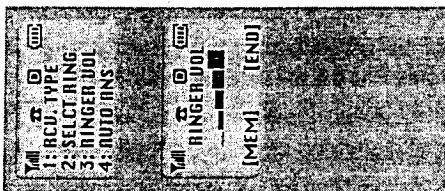
2 Press [MEM] to store the setting.



Adjusting a Volume Level



1 Press [MENU], 2 and 3 in standby mode



2 Press [*▲ or #▼] to scroll to the desired volume.

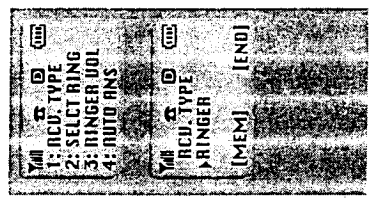
3 Press [MEM] to store the setting.

Selecting an Incoming Call Alert

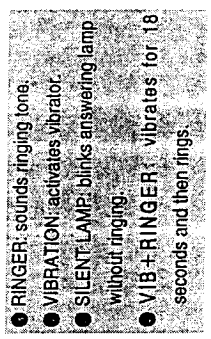
You can select ringing tone, vibration or both of them as the alert signal during an incoming call



1 Press [MENU], 2 and 1 in standby mode.



2 Press [*▲ or #▼] to scroll to the desired option.



3 Press [MEM] to store the setting.

Selecting a Ringing Tone

Various ringing tones are available for the alert during an incoming call.



① Press [MENU], ② and ② in standby mode.

② Press [▲] or [▼] to scroll to the desired tone.

③ 7 different melodies and 6 ringing tones are available for the alert during an incoming call.

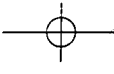
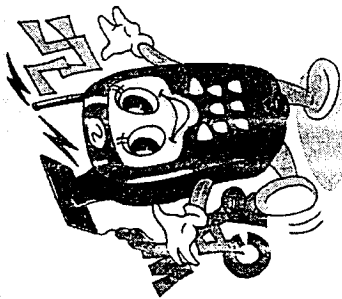
③ Press [MEM] to store the setting.



Chapter 3

Memory Function

- ① Storing a Phone Number
- ② Entering Characters With the Numeric Keypad
- ③ Dialing a Stored Phone Number
- ④ Recalling a Stored Phone Number
- ⑤ Recalling a Phone Number from Protected Memory Locations (90-99)
- ⑥ Clearing a Stored Phone Number
- ⑦ Clearing a Phone Number from Protected Memory Locations (90-99)
- ⑧ Pressing a Call and Calling Alarm
- ⑨ Making a Calculation



Storing a Phone Number

Memory capacity of storing up to 100 phone numbers with associated names allows you to make a flash call in the convenient way.



1 Enter a phone number you want to store and press [MEM].

2 Enter a memory location number (00-99) for the phone number and press [MEM].

- To change the memory location number, enter a new location number with the numeric keypad, and then press [MEM].
- If you want to hide the phone number, store it in the memory location between 90 and 99. Last 10 memory locations (90-99) are protected with the lock code against unauthorized retrieval of the entry you stored.
- "OVERWRITE" message is displayed on the LCD if the phone number already exists in the same location.

3 Enter a associated name with the numeric keypad.

4 Every key is labeled with corresponding several characters.

Press [MEM] to store it.

Entering Characters with Numeric Keypad

The following is a table of letters and special characters labeled on the numeric keypad.

1 Select characters you want to enter with the numeric keypad.

Dial button	1st entry	2st entry	3st entry	4st entry	5th entry
1	1				
2abc	A	B	C	2	
3def	D	E	F	3	
4ghi	G	H	I	4	
	:	:	:	:	
9WXYZ	W	X	Y	Z	9

When entering special characters (e.g., (-) *#=\$+), you press [0] repeatedly until the desired characters appear.

2 Press [] to move to the next.

Cursor shifts to the next column automatically in two seconds after pressing a numeric key.

3 Enter the associated name with the numeric keypad.

Up to 12 alphanumeric characters are available.

- How to correct characters.
- Press [CLR] quickly to delete one character at a time.
 - Press and hold [CLR] for more than 0.5 second to clear the entire phone number at once.

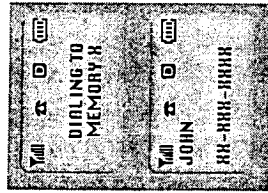
Dialing a Stored Phone Number

This allows you to make a flash call in the convenient way.

One touch dialing for memory location number (0-9)

1 Press and hold the memory location number (0-9) you want for more than 1 second.

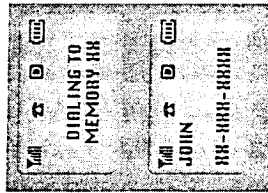
2 This allows you to call any of the phone numbers stored in the first 10 memory locations (0-9) without pressing [SEND].



Two touch dialing for memory location number (10-99)

1 Press quickly the first digit of the memory location number (10-99) you want and then press and hold the second digit for more than 1 second.

2 This allows you to call any of the phone numbers stored in the last 90 memory locations (10-99) without pressing [SEND].



3 If the memory location is empty, "EMPTY LOCATION" message is displayed on the LCD.
4 If the memory location number to be selected is one of the last 10 locations (90-99), the phone number will not be displayed during a call trial.



Recalling a Stored Phone Number

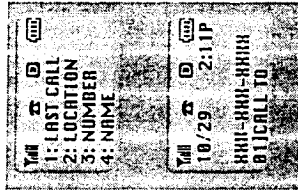
The phone number stored in memory can be recalled by scrolling through the recent calls or typing the memory location number, the phone number or the name.

Recalling by the recent calls



1 Press [MEM], 1 and 1.

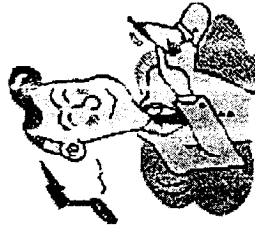
2 Up to 10 last calls can be retrieved by the LAST CALL option.



3 Press [*▲ or #▼] to scroll to the phone number you want.

4 [#▼] allows you to scroll to recent calls and [*▲] to older calls.

5 Press [SEND] to make a call.



Recalling a Stored Phone Number

Recalling by the memory/location number

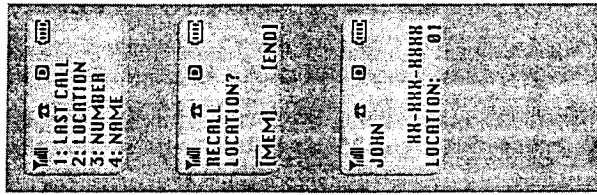


1 Press [MEM], ① and ②.

2 Enter the memory location number you want or press [*▲] or #▼] to scroll to the desired entry.

● [*▲] allows you to scroll to higher memory location number and [#▼] to lower one.

3 Press [SEND] to make a call.



Recalling a Stored Phone Number

Recalling by the phone number



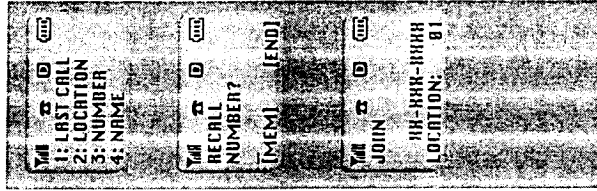
1 Press [MEM], ① and ③.

2 Enter the entire or partial phone number you want and press [MEM].

3 Press [*▲] or #▼] to scroll to the desired entry.

● [*▲] allows you to scroll to higher memory location number and [#▼] to lower one.

4 Press [SEND] to make a call.



Recalling a Stored Phone Number



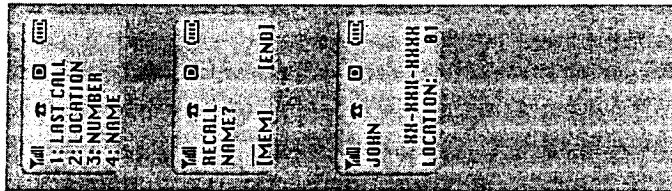
1 Press [MEM], ① and ④.

2 Enter the entire or partial name associated with the phone number you want and press [MEM].

3 Press [*▲ or #▼] to scroll to the desired entry.

● [*▲] allows you to scroll to higher memory, location, number, and [#▼] to lower one.

4 Press [SEND] to make a call.



Recalling a Phone Number from Protected Memory Locations (90-99)



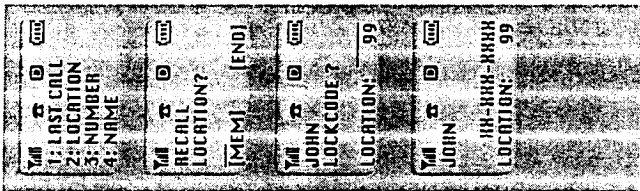
1 Press [MEM], ① and ②.

2 Enter the memory location number (90 ~ 99) you want to recall or press [*▲ or #▼] to scroll to the desired entry.

3 Press your 4-digit lock code.

● When you purchase a new phone, the programmed default lock code of the phone is "0000".

4 Press [SEND] to make a call.



Clearing a Phone Number



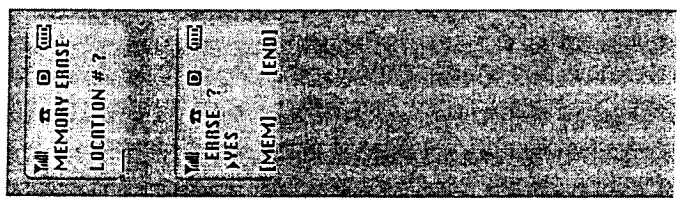
1 Press [CLR].

2 Press the memory location number you want to erase.

3 Press [*▲ or #▼] to confirm erasing the phone number and select "YES" if acceptable.

- YES indicates that you clear the entry from the memory location leaving it free for the future.
- NO indicates that you exit without erasing the entry.

4 Press [MEM] to activate the operation.



Clearing a Phone Number from Protected Memory Locations (90-99)



1 Press [CLR].

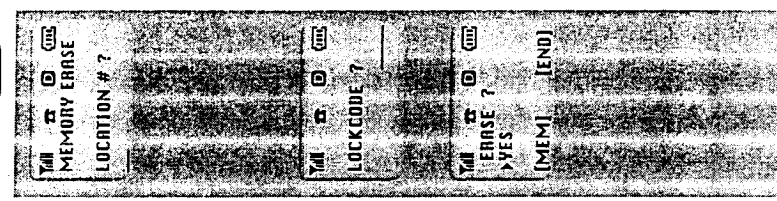
2 Enter the memory location number (90 ~ 99) you want to erase.

3 Press your 4-digit lock code.

4 Press [*▲ or #▼] to confirm erasing the phone number and select "YES" if acceptable.

- YES indicates that you clear the entry from the memory location leaving it free for the future.
- NO indicates that you exit without erasing the entry.

5 Press [MEM] to activate the operation.



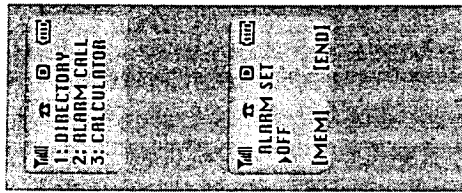
Reserving a Call and Setting Alarm

This feature allows you to reserve a call and the reserved phone number to be displayed at predefined time with an alarm on the LCD. It is available only in digital mode.



1 Press [MEM] and 2.

2 Press [*▲ or #▼] to scroll to the desired option.



- OFF: turns an alarm clock off.
- ONCE: sounds an alarm melody for one minute at predefined time, displays the reserved phone number, and then sets the alarm off.
- DAILY: beeps an alarm signal at predefined time every day.

- Setting alarm to ONCE
 - Enter the time in month, day, hour, minute, e.g., 11/30, 12:30.
 - Press [MEM].
 - Enter the phone number you want to reserve.
 - Press [MEM].
 - Press [SEND] to dial the reserved number.
- Setting alarm to DAILY
 - Enter the time.
 - Press [MEM].

Making a Calculation

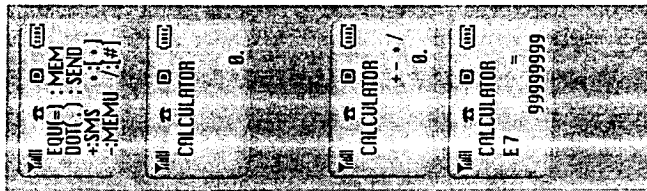
This feature allows you to use the phone as a calculator available to basic four operations of arithmetic and percentages.



1 Press [MEM] and 3.

2 Make a calculation you want by referring to the followings:

- Available operators:
 - = [MEM] +: [+], -: [-], *: [*], /: [/], %: [%], (col): [SEND]
- Press the key associated with the operator you want.
- Or press [END] and then [*▲ or #▼] to scroll to the desired operator and press [MEM].
- You can enter numbers of up to 8 digits (99,999,999) and up to the second decimal place.
- If the calculation exceeds 8 digits the phone displays it in the form of 99,999,999 x 10^(E7) by using 8 valid digits.
- Use in the form of 0-value to display the negative number, i.e., 8 ÷ 0.8.
- If you press the [END] key, the above menu (for available operators) is displayed on LCD during a calculation.



3 Press [END/END] to exit and return to the initial display.

Chapter 4

Menu Functions

- 1 Having Access to Menu
- 2 Menu Structure
- 3 Greeting Message
- 4 Time Show
- 5 Backlight
- 6 LCD Contrast
- 7 Receiving Tone
- 8 Selecting Ringing Tone
- 9 Ringing Volume
- 10 Auto Answer
- 11 Phone Number
- 12 Phone Version
- 13 Setting NAM
- 14 Beep Length
- 15 Call Time
- 16 Air Time
- 17 Roam Time
- 18 Time Alert
- 19 Area Alert
- 20 Call Release Alert
- 21 Call Connection Alert
- 22 My Melody
- 23 Stopwatch
- 24 World Time
- 25 Auto Lock
- 26 Setting Lock Code
- 27 Restrict
- 28 Memory Erase
- 29 EVRC Mode
- 30 Resetting the Phone

Having Access to Menu

1 Press [MENU] and select a menu option you want with the numeric keypad.

● Press [*▲ or #▼] or volume keys to scroll through the list of menu options.

2 Press [CLR] to exit from the current menu step by step and return to the previous one.

Press [END/☺] or [MENU] to exit from the current menu completely and return to the initial display.



Menu Structure

1. DISPLAY

- 1. GREETING
- 2. TIME SHOW
- 3. BACKLIGHT
- 4. CONTRAST

2. RCV RING

- 1. RCV TYPE
- 2. SELCT RING
- 3. RINGERVOL
- 4. AUTOANS

3. SYSTEM

- 1. PREF MODE
- 2. PREF SYS
- 3. PHONE NUM
- 4. PHONE VER
- 5. SETNAM
- 6. AUTO NAM
- 7. BEEP LEN
- 8. DTMF SPD

4. TIMER

- 1. CALL TIME
- 2. AIR TIME
- 3. ROAM TIME

Menu Structure

5. ALERT

- 1. TIME ALER
- 2. AREA ALERT
- 3. CALL RLEAS
- 4. CALL CNNG

6. SPECIAL

- 1. MY MELODY
- 2. STOPWATCH
- 3. WORLD TIME

7. SECURITY

- 1. AUTO LOCK
- 2. SET LOCK#
- 3. RESTRICT
- 4. MEMERASE
- 5. EVRC MODE
- 6. 19K VOICE
- 7. RESET PHN

Greeting Message

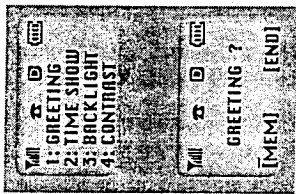
This feature allows you to display a greeting message on the LCD every time you turn on the phone. A greeting message can contain a maximum of 12 characters.



① Press [Menu], ① and ①.

② Enter your greeting message with the numeric keypad.

③ Press [MEM] to store the greeting message.



Time Show

This feature allows you to view current date, day of week, and time on the LCD.

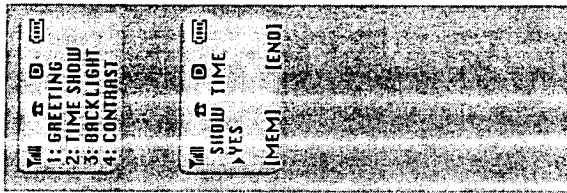


① Press [Menu], ① and ②.

② Press [*▲ or #▼] to scroll to the desired option.

- YES: activates Time Show function.
- No: cancels Time Show function.

③ Press [MEM] to store the setting.



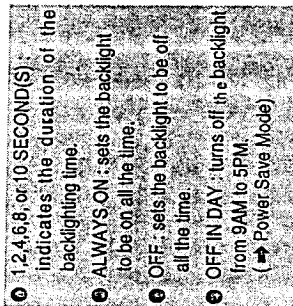


This feature is useful when the phone is used in dark places.



1 Press [Menu], 1 and 3.

2 Press [*▲ or #▼] to scroll to the desired backlighting time.



3 Press [MEM] to store the setting.



This feature allows you to adjust LCD contrast of the phone.

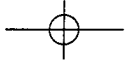
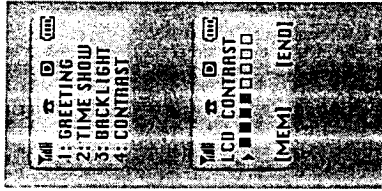


1 Press [Menu], 1 and 4.

2 Press [*▲ or #▼] to scroll to the desired contrast level.



3 Press [MEM] to store the setting.



Receiving Type

Refer to page 23, please.

Selecting a Ringing Tone

Refer to page 24, please.

Ring Volume

Refer to page 22, please.

Auto Answer

This feature allows you to receive an incoming call automatically after predetermined number of rings.

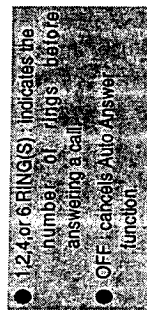


①

Press [Menu], ② and ④.

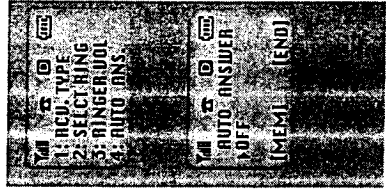
②

Press [*▲ or #▼] to scroll to the desired number of rings.



③

Press [MEM] to store the setting.



Phone Number

This feature allows you to view your phone number in standby mode.



1 Press [Menu], 3 and 3.

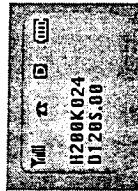


Phone Version

This feature allows you to view the software version of the phone in standby mode.



1 Press [Menu], 3 and 4.

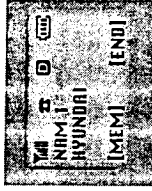


Setting NAM

This feature allows you to select one out of the phone numbers in case the phone is registered 2 or more systems.



1 Press [Menu], 3 and 5.



2 Press [*▲ or #▼] to scroll to the desired NAM.

● Up to 4 NAMs (NAM1-NAM4) are available in case each NAM has an assigned number

3 Press [MEM] to store the setting.

Beep Length

This feature allows you to adjust the length of key beep.



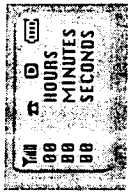
1 Press [Menu], ③ and ⑦.

2 Press [*▲ or #▼] to scroll to the desired beep length.

- ③ Burst: sets a short beep tone.
- ⑦ Continuous: sets a long beep tone.

3 Press [MEM] to store the setting.

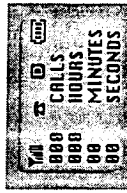
Call Time



1 Press [Menu], ④ and ①.

- This feature allows you to view the duration spent in conversation of the last call in hours, minutes and seconds.

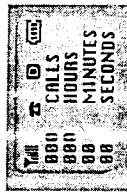
Call Time



1 Press [Menu], ④ and ②.

- This feature allows you to view the total duration spent in conversation to all calls in calls, hours, minutes and seconds.

Roam Time



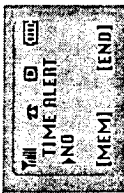
1 Press [Menu], ④ and ③.

- This feature allows you to view the total duration spent in conversation of roaming calls in calls, hours, minutes and seconds.

Time Alert



This feature reminds you of the total duration of a current call during a call.



① Press [Menu], [5] and [1].

② Press [x▲ or #▼] to scroll to the desired option.

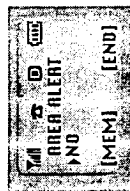
- YES : sounds alert in every minute.
- NO : cancels Time Alert function.

③ Press [MEM] to store the setting.

Area Alert



This feature reminds you of the change of service area, i.e., leaving, entering or changing service area of your home or other cellular system.



① Press [Menu], [5] and [2].

② Press [x▲ or #▼] to scroll to the desired option.

- YES : sounds alert and displays a message when the change of service area occurs
- NO : cancels Area Alert function.

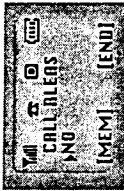
③ Press [MEM] to store the setting.

● As a reminder, an alert tone sounds and one of the following messages is displayed on the LCD.

- ① CHANGING SVC AREA : indicates that you are just moving to another service area of a cellular system different from the existing one.
- ② LEAVING SVC AREA : indicates that you are just getting out of service area of the current system.
- ③ ENTERING SVC AREA : indicates that you are just entering service area of a cellular system out of non-service area.

Call Release Alert

This feature allows the phone to beep when the call is disconnected.



1 Press [Menu], 5 and 4.

2 Press [*▲ or #▼] to scroll to the desired option.



3 Press [MEM] to store the setting.

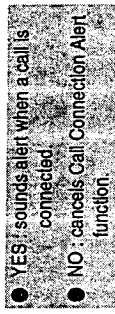
Call Connection Alert

This feature allows the phone to beep when a call is connected.



1 Press [Menu], 5 and 4.

2 Press [*▲ or #▼] to scroll to the desired option.



3 Press [MEM] to store the setting.

My Melody

This feature allows you to input any melody you want as the incoming call alert.

Inputting the melody



Press [Menu], [6], [1] and [1]

- The inputted melody is displayed on the LCD and heard when [SEND] is pressed. "ONDALSAM" is heard when there is no melody inputted.
- Please refer to page 58 to edit the melody displayed on the LCD.
- Press [MEM] at the initial display if you want to change the inputted melody to the default "ONDALSAM".

Press [MEM] after inputting the melody.

- Please refer to page 58 to see how to input the melody.

Press [* ▲ or # ▼] to scroll to the desired tempo and press [MEM].

- The following 7 tempos are available: LARGO, ADAGIO, ANDANTE, MODERATO, ALLEGRO, VIVACE and PRESTISSIMO.

Enter the name of the melody and press [MEM]

- Please refer to page 27 for inputting the melody name.
- "Overwrite?" is displayed when there is another melody inputted.
- Press [* ▲ or # ▼] to scroll to "YES" and press [MEM] to replace the old melody by the new one.
- The inputted melody is added to the ringing tone list with the associated name.

My Melody

Listening to the melody



Press [Menu], [6], [1] and [2], and the melody name is displayed on the LCD and the melody is heard.

- Press [* ▲ or # ▼] to stop hearing the melody.
- "ONDALSAM" melody is heard if there is no melody inputted.
- Press [SEND] to listen to the melody again.

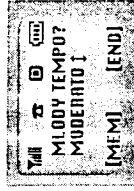
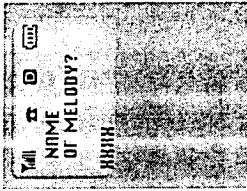
Adjusting the melody tempo



Press [Menu], [6], [1] and [3] to view the tempo of the inputted melody.

Press [* ▲ or # ▼] to scroll to the desired tempo and press [MEM]

- There are 7 different tempos.



Inputting/Editing the melody

1) Press **[F]** to switch the mode from the initial basic scale to high scale and to low scale in turn.

2) Basic Scale (Basic Mode): Each note name is assigned to the corresponding keys as the following: **[C]**: Do, **[D]**: Re, **[E]**: Mi, **[F]**: Fa, **[G]**: Sol, **[A]**: La, **[S]**: High Sol, **[H]**: High Re.

3) A quarter note corresponding to each key appears on the screen when any key is pressed and the mark "1/4" means the high scale is displayed on the top of each note and the mark "1/2" means the low scale is displayed on the bottom side of the notes.

4) High Scale (High Mode): **[C]**: High Mi, **[D]**: High Fa, **[E]**: High Sol, **[F]**: High La.

5) The label of a slave is scrolled down to be displayed and a quarter note corresponding to each numeric key appears at the M, Fa, Sol, La and Si position of a melody when any key is pressed.

6) Also the mark "1/4" that means the high scale is displayed on the top of each note and on the right bottom side of the slaves.

7) Low Scale (Low Mode): The syllable name assigned to each numeric key is **[C]**: Low Fa, **[D]**: Low Sol, **[E]**: Low La, **[F]**: Low Si respectively. The label of a slave is scrolled up to be displayed and a quarter note corresponding to each numeric key appears at the Fa, Sol, La and Si position when any key is pressed.

8) Also the mark "1/2" that means the low scale is displayed on the top of each note and on the right bottom side of the slaves.

9) Whenever **[F]** is pressed, when a quarter note is displayed, the note is switched to the eighth, the sixteenth, the full and the half note in turn.

10) When **[F]** is pressed, "r" is displayed under the note and the mode is set to raise half scale.

11) Select one scale lower note and press **[D]** to make a half scale lower note.

12) Press **[C]** and **[D]** and select the pause to input a rest.

13) Press the volume keys to move between musical notes and edit the music. The upper key moves the note forward, while the lower key moves backward one by one.



Inputting/Editing the melody

1) After moving to the position to input a note in by pressing the volume keys, press **[F]** to input a note.

2) Press **[C]** to erase a note.

3) Press **[D]** to listen to the inputted melody, during the input of melody, and press **[D]** to stop it.

4) The screen is changed to the next display when inputting another note after the input of 10 notes.

• Up to 100 notes can be inserted.

E.g.) When inputting

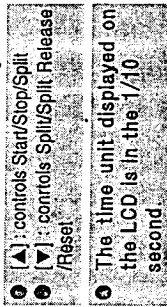
- 1) Press **[C]** and **[D]**
- 2) Press **[C]** and **[D]**
- 3) Switch to the low scale mode by pressing **[F]** twice and press **[D]** and **[D]**
- 4) Switch to the basic scale mode by pressing **[F]** and press **[D]** and **[D]**
- 5) Press **[C]** and press **[D]** four times.
- 6) Press **[C]** and **[D]**
- 7) Press **[D]**
- 8) Press **[D]** and **[D]**
- 9) Switch to the high scale mode by pressing **[F]** and press **[D]**
- 10) Switch to the basic scale mode by pressing **[F]** twice and press **[D]**

Stopwatch



1 Press [Menu], [6] and [2].

2 Press [*▲ or #▼] to control the stopwatch.



3 Press [END/P] to exit and return to the initial display.

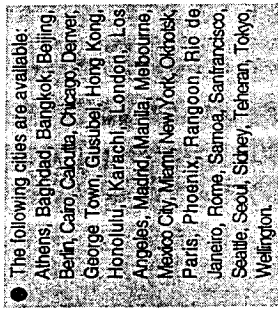
World Time

This feature allows you to see local standard time all over the world. It is available only in digital mode.



1 Press [Menu], [6] and [2].

2 Press [*▲ or #▼] to scroll to the desired city.



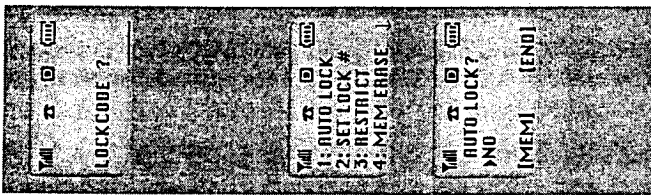
3 Press [MEM] to see it.



This feature protects the phone against unauthorized use.



1 Press [Menu] and 1.



2 Enter your 4-digit lock code.

When you purchase the phone, the default programmed lock code is "0000".

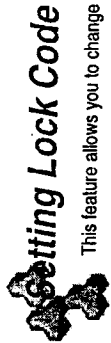
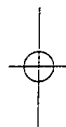
3 Press 1 (AUTO LOCK).

4 Press [*▲ or #▼] to scroll to the desired option.

1 Yes; activates Auto lock function.
2 No; cancels Auto lock function.

5 Press [MEM] to store the setting.

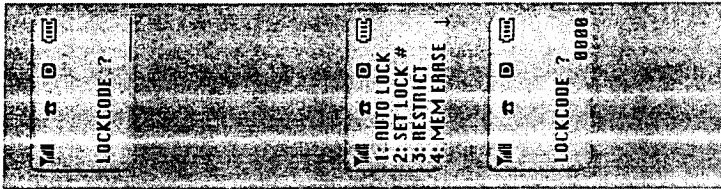
• The Auto Lock function is not activated when you purchase the phone. You should, however, activate it as soon as possible.
• Once the Auto Lock function is set to YES, the phone is in lock mode whenever you turn the phone on.



This feature allows you to change the lock code of the phone.



1 Press [Menu] and 2.



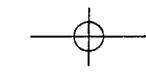
2 Enter the current 4-digit lock code.

When you purchase the phone, the default programmed lock code is "0000".

3 Press 2 (SET LOCK#)

4 Enter a new 4-digit lock code.

5 Press [MEM] to store the setting.





This feature allows you to restrict the use of your phone for each of 4 types of call bar.



1 Press [Menu] and ①.

2 Enter your 4-digit lock code.

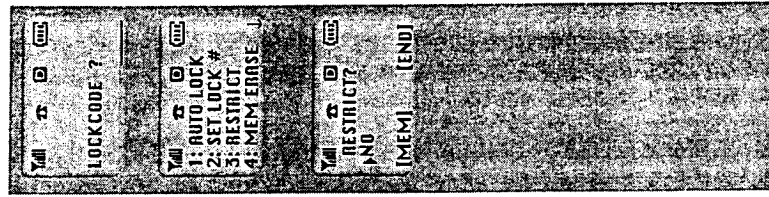
• When you purchase the phone, the programmed default lock code is "0000".

3 Press ③ (RESTRICT)

4 Press [*▲ or #▼] to scroll to the desired option.

• YES: activates Restrict function.
 • NO: exits without changing the setting and returns to the previous menu.

5 Press [MEM] to enter the next menu.



Barring all incoming calls

This feature makes the phone not respond to all incoming calls while all outgoing calls are allowed.

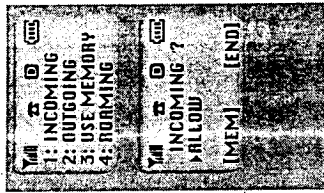


1 Press ① (INCOMING)

2 Press [*▲ or #▼] to scroll to the desired option.

• RESTRICT: bars incoming calls.
 • ALLOW: allows incoming calls.

3 Press [MEM] to store the setting.



Barring all outgoing calls

This feature makes the phone not allow all outgoing calls except certain emergency calls.

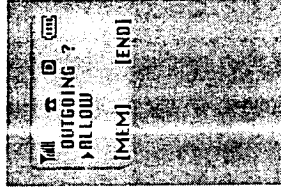


1 Press ② (OUTGOING)

2 Press [*▲ or #▼] to scroll to the desired option.

• RESTRICT: bars outgoing calls.
 • ALLOW: allows outgoing calls.

3 Press [MEM] to store the setting.



Restrict

Blocking the use of memory

This feature protects the phone against unauthorized retrieval or update of entries (phone numbers, names and location numbers, etc.) stored in memory.

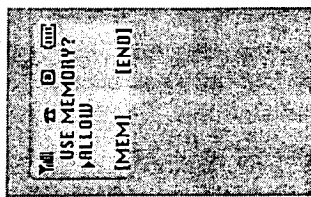


1 Press [MEM] (USE MEMORY)

2 Select RESTRICT or ALLOW by using the scroll buttons.

- RESTRICT: bars the use of memory.
- ALLOW: allows the use of memory.

3 Press [MEM] to store the setting.



Blocking roaming calls

This feature protects the phone against unauthorized use of roaming calls.

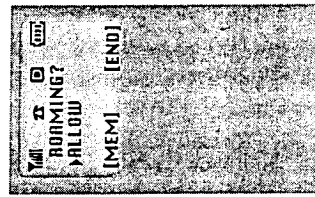


1 Press [MEM] (ROAMING)

2 Press [*▲ or #▼] to scroll to the desired option.

- RESTRICT: bars roaming calls.
- ALLOW: allows roaming calls.

3 Press [MEM] to store the setting.



Memory Erase

Clearing memory entries

This feature allows you to erase the entries from memory.



1 Press [MENU] and [END].

2 Enter your 4-digit lock code.

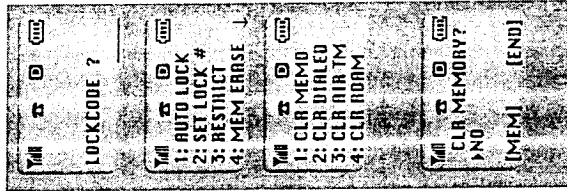
- When you purchase the phone, the programmed default lock code is "0000".

3 Press [MEM] and [CLR MEMORY].

4 Press [*▲ or #▼] to scroll to the desired option.

- YES: clears memory entries.
- NO: exits without erasing them.

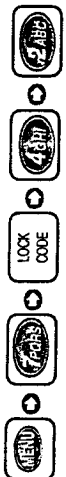
5 Press [MEM] to activate the operation.



Memory Erase

Clearing call history

This feature allows you to erase the last 10 phone numbers from memory.



1 Press [Menu] and ①.

2 Enter your 4-digit lock code.

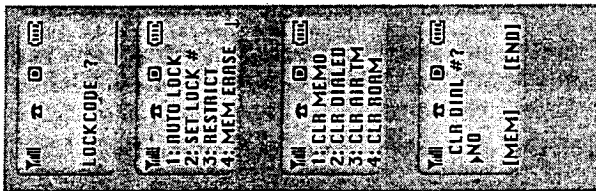
● When you purchase the phone, the programmed default lock code is "0000".

3 Press ① and ② (CLR DIALED).

4 Press [*▲ or #▼] to scroll to the desired option.

● YES: clears the entries.
● NO: exits without erasing them.

5 Press [MEM] to activate the operation.



Memory Erase

Clearing air time

This feature allows you to erase the total air time from memory.



1 Press [Menu] and ①.

2 Enter your 4-digit lock code.

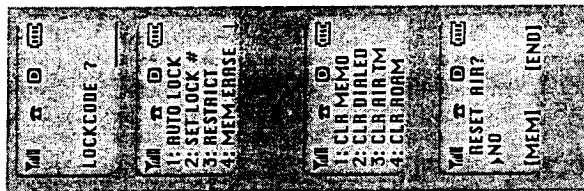
● When you purchase the phone the programmed default lock code is "0000".

3 Press ① and ③ (CLR AIR TM).

4 Press [*▲ or #▼] to scroll to the desired option.

● YES: clear the entry.
● NO: exits without erasing it.

5 Press [MEM] to activate the operation.



Memory Erase



This feature allows you to erase the total roam time.



1 Press [Menu] and 7.

2 Enter your 4-digit lock code.

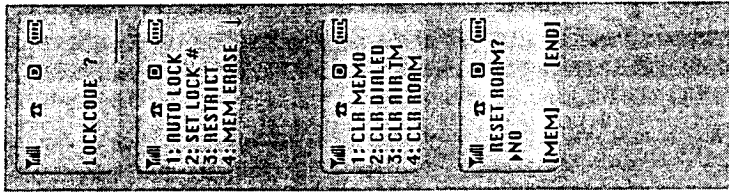
• When you purchase the phone, the programmed default lock code is "0000".

3 Press 0 and 4 (CLR ROAM)

4 Press [x ▲ or # ▼] to scroll to the desired option.

• YES : clear the entry.
• NO : exits without erasing it.

5 Press [MEM] to activate the operation.



EVRC

This feature allows you to set EVRC mode.



1 Press [Menu] and 7.

2 Enter your 4-digit lock code.

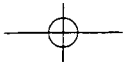
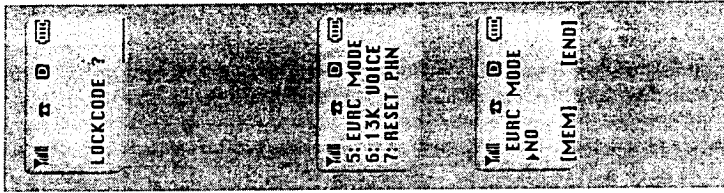
• When you purchase the phone, the programmed default lock code is "0000".

3 Press 5 (EVRC MODE)

4 Press [x ▲ or # ▼] to scroll to the desired option.

• YES : sets EVRC mode.
• NO : exits without changing.

5 Press [MEM] to activate the operation.



Resetting the Phone



① Press [Menu] and ⑦.



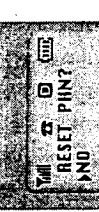
② Enter your 4-digit lock code.

④ When you purchase the phone, the programmed default lock code is "0000".

③ Press ⑦ (RESET PHIN).



④ Press [*▲ or #▼] to scroll to the desired option.



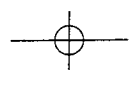
⑤ YES: resets the phone, NO: exits without changing.

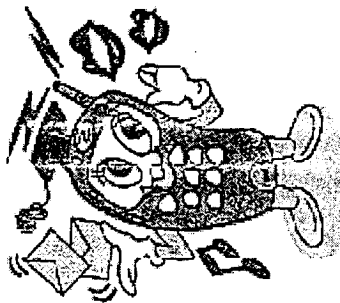
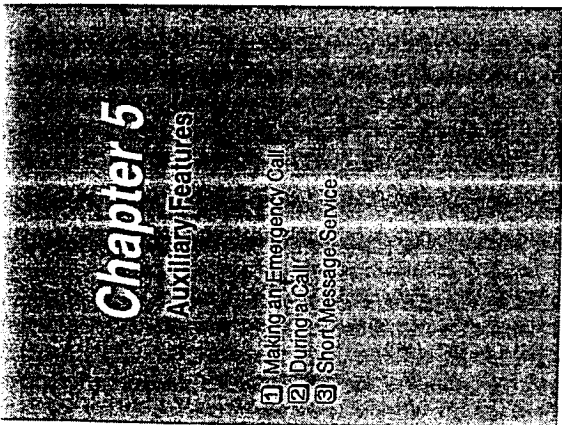
⑤ Press [MEM] to activate the operation.



⑥ The phone will be automatically turned off with the message of "Please wait for a moment".

Caution
 When resetting the phone, all functions will be initialized except Greeting, Stored phoned numbers and names, Air time, and Lock code.





Making an emergency call

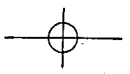
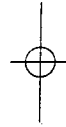
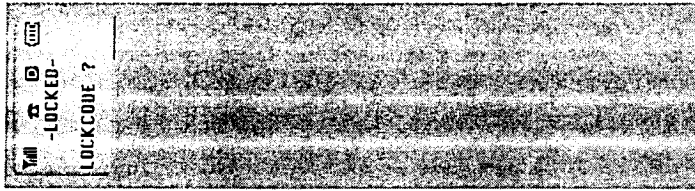
This feature makes it possible to call even when the phone is locked.



Enter the emergency phone number and press [SEND].



- Emergency phone numbers: 911, etc.
- When a call ends, the phone returns to the previous mode.





Transmitting your phone number

This feature allows you to transmit your phone number automatically during a call.



Press [Menu] and ①.



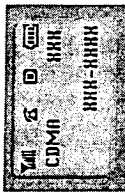
Displaying your phone number

This feature allows you to view your phone number during a call.



Press [Menu] and ②.

The phone number will be displayed for 10 seconds.



Muting the key beep

This feature prevents other party from hearing your key beep when you store a phone number in memory during a call.



Press [Menu] and ③.



Enter a phone number you want to store.

Repeat the above procedure to cancel this operation, and "SILENT PAD" message disappear on the LCD.

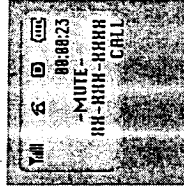
Muting the voice

This feature prevents other party from hearing your voice.



Press [Menu] and ④.


Repeat the above procedure to cancel this operation, and "MUTE" message disappear on the LCD.



Short Message Service


This feature allows you to receive text or voice messages if supported by your service provider.

Receiving a Text Message

When a text message is received,  is displayed with the notice of a new message on the LCD.

- The phone alerts you to a new message in the predefined ringing tone.
- Up to 30 text messages can be stored in memory automatically.

Receiving a Voice Message

When a voice message is received,  is displayed with the notice of a new voice mail message on the LCD.

Short Message Service

Receiving the received text message



1 Press ().

- The number of new messages you have received but not yet read is displayed on the LCD.

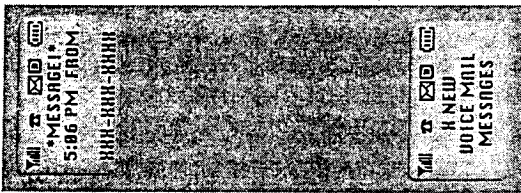
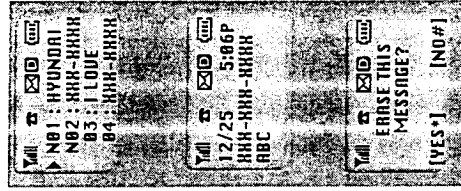
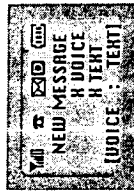
2 Press () to select TEXT option.

- A list of message headers is displayed on the LCD.
- Letter "N" in front of a message header indicates that the message has not yet been read.

3 Press (*  or # ) to scroll to the desired message and press [MEM].

- After a short notice of message headers, the corresponding message is displayed automatically on the LCD.
- You can read the message line by line by pressing (*  or # ) or volume keys.

- Press [SEND] to reply to the message during your message check-up.
- Press [CLR] to erase the message.
- Press [END/] to exit and return to the previous menu.



Short Message Service

REVIEWING THE RECEIVED VOICE MESSAGE

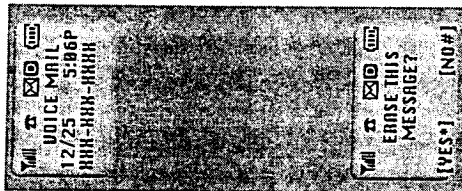
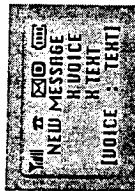
1 Press ().

The number of new messages you have received but not yet read is displayed on the LCD.

2 Press () to select VOICE option.

Press [SEND] to listen to the received voice message, and the phone calls your voice mail box automatically.
The voice messages are available only to review but isn't stored in memory.

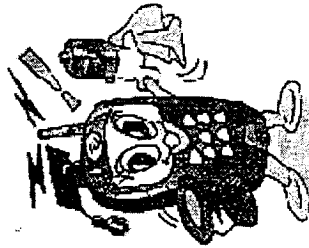
3 Press [END/] to exit and return to the initial display.



Chapter 6

Appendix

- Optional Accessories
- Special Functions

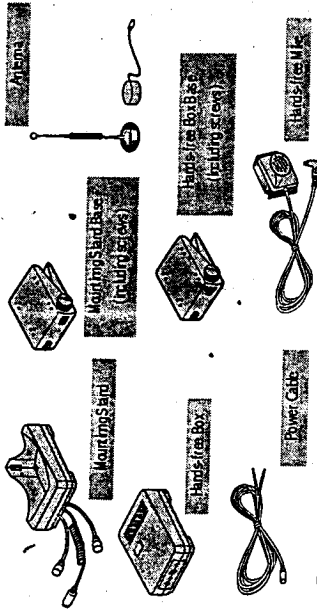


Optional Accessories

Hands-free car kit

This feature allows you to have a hands-free telephone conversation to the microphone by attaching the phone to the car that the hands-free car kit is installed in. The hands-free car kit powers the phone from the battery of the car and recharges the battery attached to the phone. An external antenna should be used for better voice quality.

Components of Hands-free Car Kit



Other options

- Cigarette Lighter Adapter
This adapter powers the phone from the cigarette jack of the car.
- 5th Battery
This battery is so light that it is convenient when you are travelling around.
Portable Hands-free Kit, Cradle, Leather Case, etc.

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