

New millenium, New partner—

# Gulliver

# Neomi

Millenium Design

# User's Manual

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## FCC RF EXPOSURE INFORMATION

***WARNING! Read this information before using your phone***

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



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

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

### Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.4 inches (1 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.4 inches (1 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.4 inch (1 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

*For more information about RF exposure, please visit the FCC website at [www.fcc.gov](http://www.fcc.gov)*

### ***Characteristics of Product***

The product is a digital type mobile phone based on the CDMA communication technology to meet the demand of customers.

Please read the manual carefully before starting using the phone.

First, light and thin folder type. It is a new style, high-tech phone that is so small that it can be held in a hand. It is only 19 mm thick (based on the small size battery).

Second , beautiful LCD graphic. Users can use menu using a cute icon.

Third, electronic diary function. Telephone book, calendar function, schedule management, calculator, etc are the functions that the phone has. You won't need another electronic diary.

Fourth, longer operating time. You can use the phone for a week (when the large capacity battery is used) with one charge since it uses high-tech 3000 chip and power saving circuit design.

# Chapter 1

## Getting Started

1. Precautions
2. Description of the Phone and Accessories
3. Phone Overview
4. LCD Display and Functions
5. Inserting and Removing the Battery
6. Charging the Battery
7. Battery Operationg Time Depending on the Service Environment

***Precautions***

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

Do not take apart or modify the phone.

Avoid damages from vibration or impact and keep the phone in safe place when not in use.

Do not touch the antenna during a call.

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

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

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

***Description of the Phone and Accessories***

Thank you for choosing our product. Please check your package to make sure it includes the following items.

Phone

Desktop Charger

User's Manual

Table of Main Functions

Standard Battery

Ear Microphone

Wrist Strap

## Phone Overview

Earpiece

LCD



Lamp



Enters the sub-menu, selects menu items, saves values, calculates



Returns to the previous screen, uses the message function, erases letter or figures



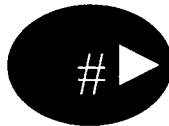
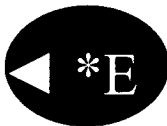
Makes or answers a call.



Terminates a call or returns to the initial mode.



Used to check functions or move screens.



Used to use etiquette function, check functions, move screens, lock the phone.

Adjusts the volume level of earpiece, checks functions, and moves screens.

Microphone

***LCD Display and Functions*****(Signal Strength)**

Shows signal strength with the number of bars (from 0 to 5).

**(Roaming)**

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

**(Service/No Service)**

When without service area,  is displayed.  indicates the phone is being used or a call is being made, while  indicates the phone is in standby mode.

**(Short message service)**

Appears when text or voice messages are waiting.

**(Alert)**

Appears when the user has set the scheduler or call reservation.

**(Battery Level Indicator)**

Shows balance of available battery power with the number of bars (from 0 to 3).

**(Etiquette Function)**

Appears when the etiquette function is set.

### ***Inserting and Removing the Battery***

#### **Inserting the battery**

Insert the battery into the groove at the bottom of the phone and then press the battery until it snaps.

#### **Removing the battery**

Pull out the battery while pushing the separation tab .

### ***Charging the Battery***

- Battery is not charged when you purchase the product. So fully charge the battery before use
- Charge the battery when the alarm sound of the low battery rings from the phone.

### **Power connection**

Connect the charger to a standard outlet.

- The charger can be connected to either 110V or 220V AC outlet without manipulating anything. When the charger is connected to power, orange lamp will blink once.

### **Charging the battery only**

To charge the battery only, insert the battery pack into the charger.

### **Charging the battery with the handset**

To charge the battery with the handset, insert the handset into the charger.

***Charging the Battery*****Power operating time table (when using a new battery)**

|                   |             |                      |
|-------------------|-------------|----------------------|
| Battery type/Mode |             | Standard battery     |
| Talk              |             | About 130 – 150 min. |
| Stand-by          | Slot mode 1 | About 70 – 110 hrs.  |
|                   | Slot mode 2 | About 70 – 150 hrs.  |

- More power is required for the talk mode than for the stand-by, so the longer the talk time, the shorter the stand-by time per charge.
- The battery operating time can vary depending on the charging condition, surrounding environment such as temperature, habit of using the phone, electric wave condition in the location where the phone is used, key pad lighting time selection, etc.
- Stand-by time can vary depending on the slot mode related service type of the mobile communication system of the service company.
- Slot mode refers to the exchange frequency between the mobile communication system and the mobile phone in stand-by mode. The fewer the slot mode, the more frequent the exchange, shortening the stand-by time.

**Battery charging time**

|               |                    |
|---------------|--------------------|
| Battery type  | Standard battery   |
| Charging time | Less than 300 min. |

- When the lamp is not lighted at all, or blinks red, please check the connection part of the battery. If the battery does not work properly after four to five time trial, contact the nearest service center.

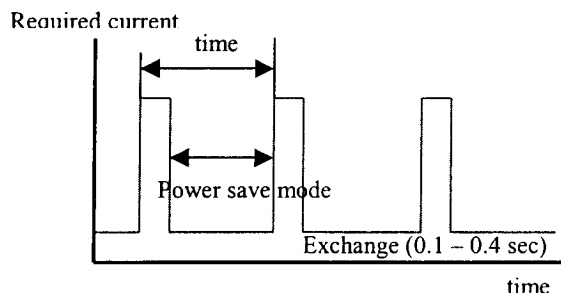
Since the battery is consumable supplies, the free guarantee period is 6 months.

### ***Battery operating time depending on the service environment***

#### **Slot mode**

When the phone is in stand-by mode, information is sent to the phone from the system on a regular basis. This is called, “The phone is working in slot mode”, and the frequency is called “slot cycle”.

As for the types of slot cycle, it varies from 0 to 7. While the phone does not exchange telegraphic message with the system, it works in power save mode, which reduces the consumption of battery.



#### **Power save mode length**

When the slot cycle type is 0: 1.28 sec  
(In this case, battery is consumed the most)

When the slot cycle is 1: 2.56 sec

When the slot cycle is 7: 163.84 sec (In this case, battery is consumed the least)

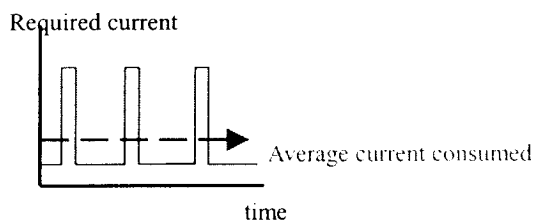
- The battery operating time varies depending on the type of the slot cycle. Different slot cycle type is used depending on the service firm and location in which the phone is used.

#### **Service condition and the battery stand-by time**

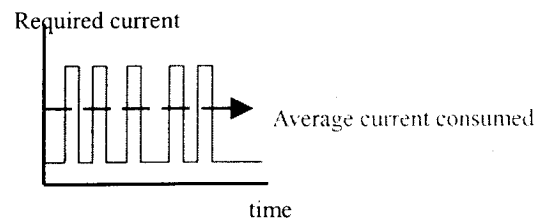
- In normal condition(1)

It differs depending on the slot cycle type.

- In the municipal area where there are a lot of bases or when the user is in a transportation vehicle. (2)



(1)



(2)

The more the user retrieves the surrounding bases, the shorter the battery operating time.

- When the user is in the out of service area for long, current consumed is as much as the case of the slot cycle type 0.

## **Chapter 2**

### **Basic Operations**

1. Basic Operations
2. During a Call
3. Storing a Phone Number
4. Menu Structure

**Basic Operations****Turning the phone ON**

(Press for more than 1 sec)



When the Lock code is displayed on LCD, enter your 4-digit lock code to unlock the phone.

When you purchase the phone, the default lock code is last four digit of your phone number.

- If an error message appears on LCD, contact the nearest service center.
- When something strange happens to the phone, or the phone is not turned on, remove the battery and then connect it again and turn the phone on.

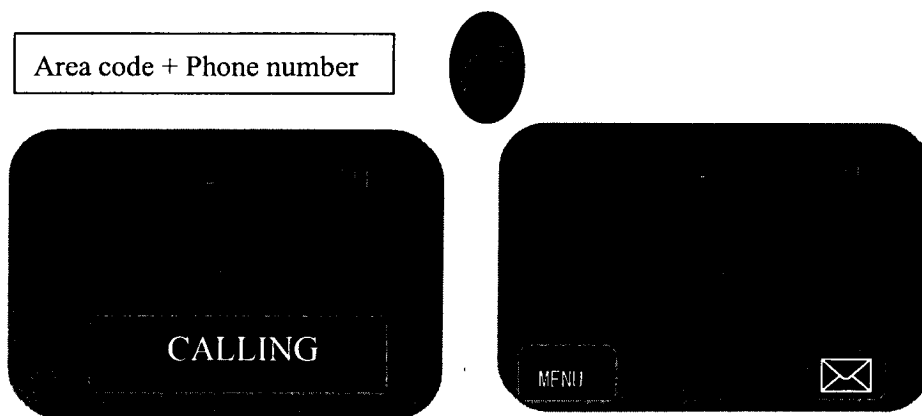
**Turning the phone OFF**

(Press and hold until the phone is turned off)



## Basic Operations

### Making a Call



To correct a number,

- Press  button quickly to delete one character at a time.
- Press and hold  button for more than 0.5 second to clear the entire phone number.
- “Call Failed” indicates that your call is not connected.
- If the alert sound for the call connection is set, a signal will come out when the call is connected and the call time will be displayed.
- If  is displayed on LCD, the phone is out of service area. So get out of the area you are in and then make a call.
- If the automatic area code is set, you do not have to dial the area code.

Press  button or shut the cover to terminate the call.

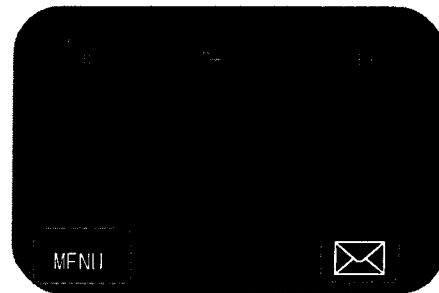
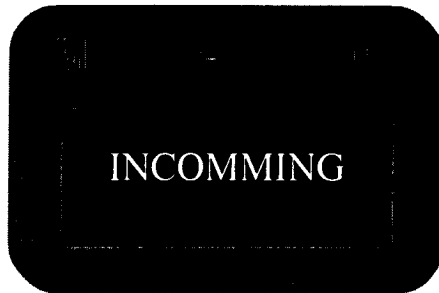
- Press  to redial the number that you just called.
- When using the ear microphone, press the [send/end] button of the ear microphone for more than 0.5 second . (possible even when the cover is shut).
- You can not make a collect call with the phone.

## Basic Operations

### Receiving a Call

When the phone rings

Receive the call, opening the cover  
(if the cover is open, press any button)



- Change the signal (bell/signal strength/vibration/no sound/bell after vibration).
- When you purchase the phone, it is set with the bell.
- Press  button once to stop the bell sound, and press the button once more to return to the stand-by mode.
- If the automatic receiving function is set, you can automatically receive the call after the bell rings for a certain number times.
- Press  button quickly or shut the cover to terminate the call.
- When using the ear microphone, press the [send/end] button of the ear microphone quickly.

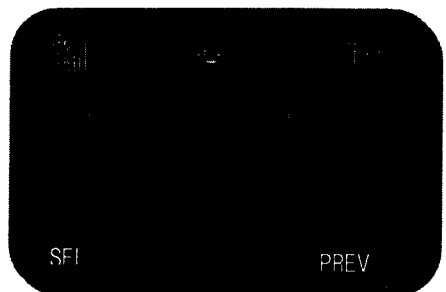
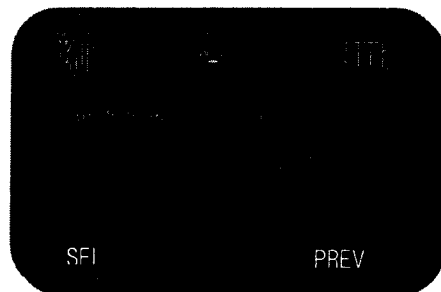
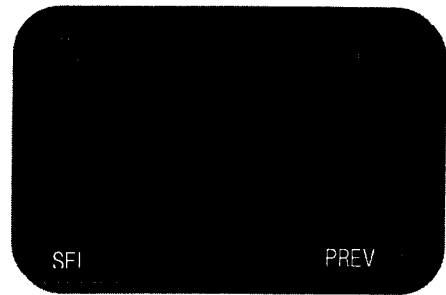
***Basic Operations*****Adjusting the Sound Level**

Use Volume button in the current condition.

Adjust the earpiece volume during a call.

Adjust beep volume in standby mode.

Adjust hands-free volume during a hands-free call.

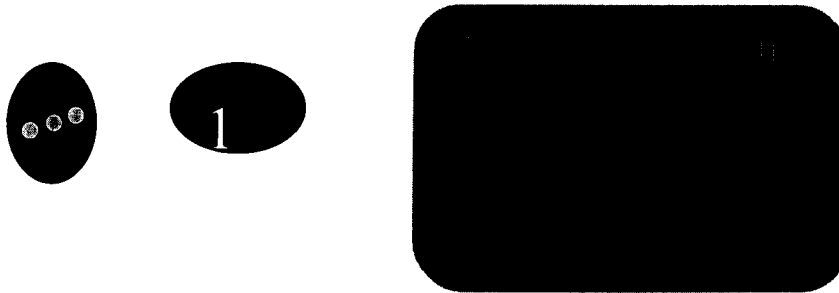


Press  button to store.

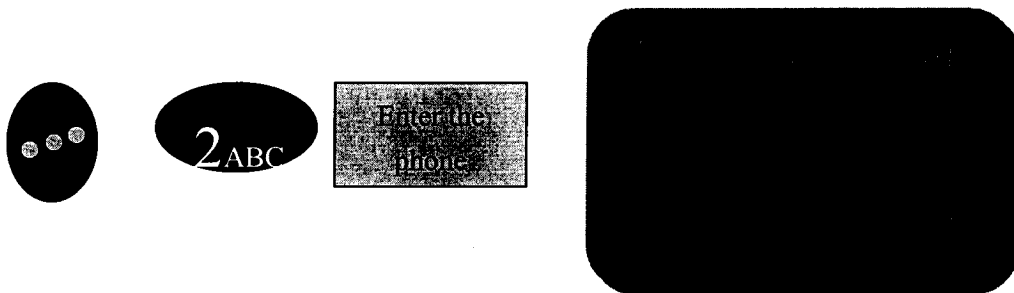
Or the setting is stored automatically in two seconds.

***During a call*****Transmitting your phone number**

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

**Muting the key beep**

This feature prevents the other party from hearing your key beep when you use the key pad to store phone number.



- Repeat the same process above or select the “Release” to cancel this function.
- During a call, automatic area code is not stored.

***During a call*****Muting the voice**

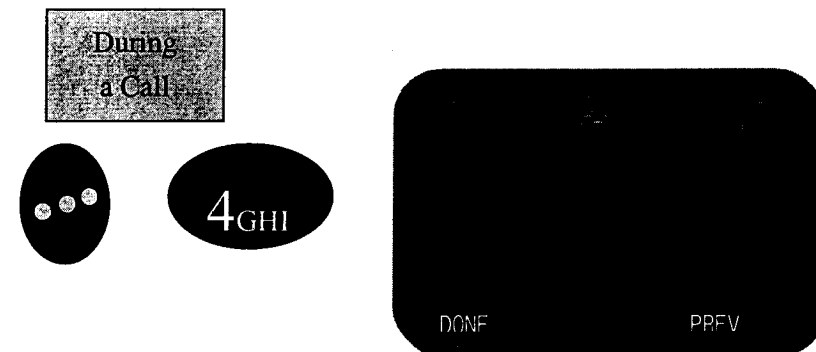
This feature prevents the other party from hearing your voice during a call.



- Repeat the same process above or select the “Release” to cancel this function.

**Displaying your phone number**

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

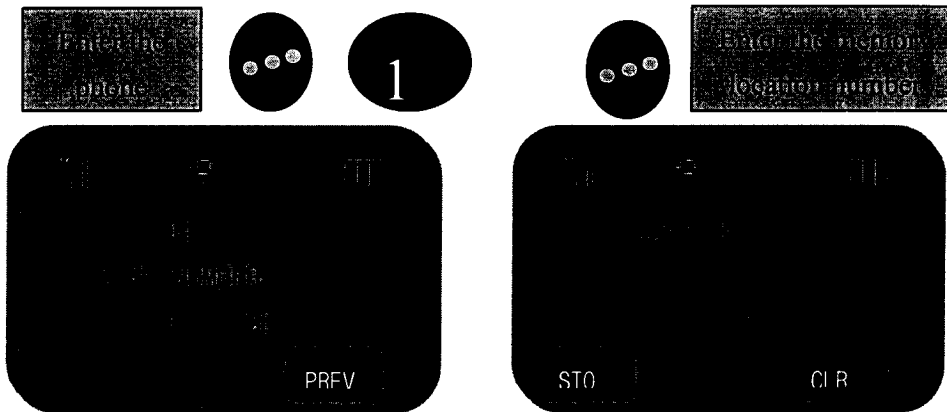


- The number will be displayed for five seconds.

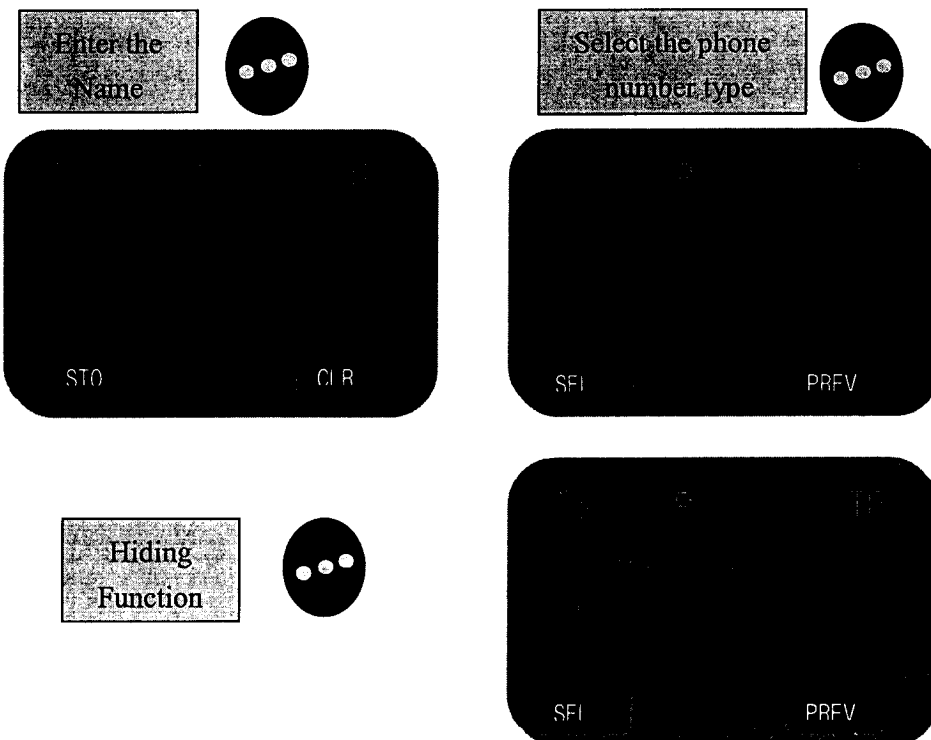
## Storing a Phone Number

Up to 300 phone numbers with associated names can be stored in memory. This allows you to make a call quickly and very conveniently.

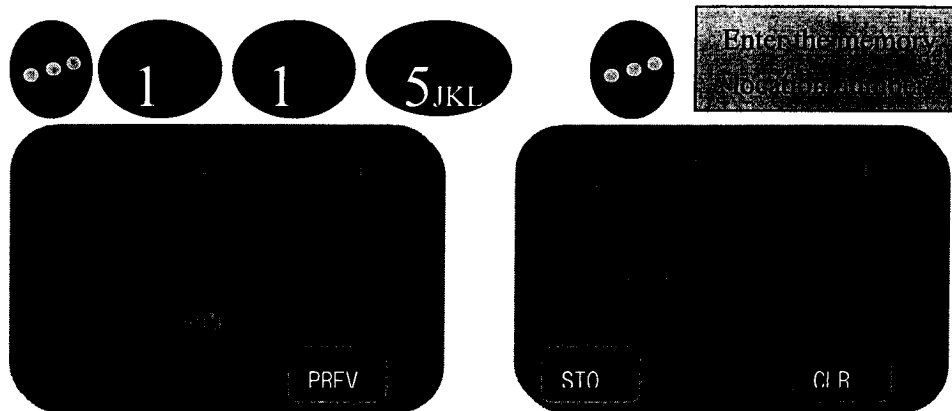
### Storing a phone number using dial



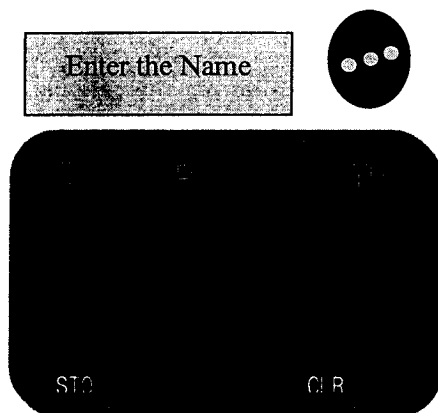
- The empty heading location letters are displayed automatically
- Use the dial button to enter the two-digit location number to store.
- Memory details list is displayed when pressing ▲ ▼ button.



If a number is stored using hiding function, the phone number is not displayed when confirming the number.

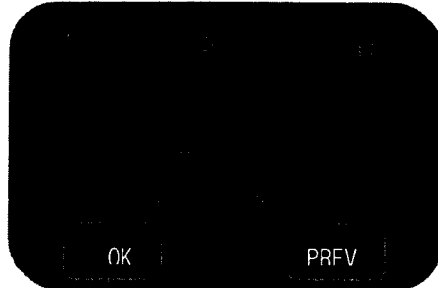
*Storing a Phone Number***Storing a phone number using a menu**

- The empty heading location letters are displayed automatically.
- Use the dial button to enter the two-digit location number to store.
- Memory details list is displayed when pressing   button.



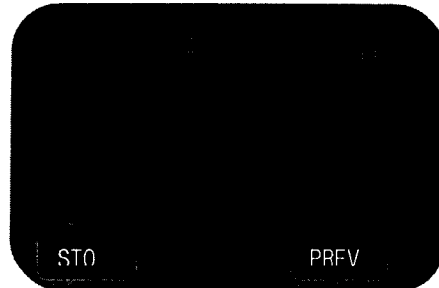
*Storing a Phone Number*

Select the phone  
number type



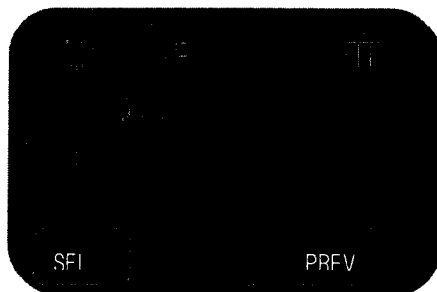
OK PREV

Enter the  
Phone number



ST0 PREV

Select  
Hiding



SFI PREV

## Storing a Phone Number

### How to enter characters

- To enter special characters

Press  button to switch to the “Special character (whole/half)” entering mode.

- Special characters (whole/half) indicate special characters in whole/half types.
- You can select the characters you want using the number buttons.
- It is composed of a total 6 groups and each group can be selected using the

 button.

- To enter English/numbers

1. Select the characters to enter pressing the dial button.

| Dial button | 1 <sup>st</sup> entry | 2 <sup>nd</sup> entry | 3 <sup>rd</sup> entry | 4 <sup>th</sup> entry | 5 <sup>th</sup> entry |
|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1           | 1                     |                       |                       |                       |                       |
| 2ABC        | A                     | B                     | C                     | 2                     |                       |
| 3DEF        | D                     | W                     | F                     | 3                     |                       |
| 4GHI        | G                     | H                     | I                     | 4                     |                       |
| 5JKL        | J                     | K                     | L                     | 5                     |                       |
| 6MNO        | M                     | N                     | O                     | 6                     |                       |
| 7PQRS       | P                     | Q                     | R                     | S                     | 7                     |
| 8TUV        | T                     | U                     | V                     | 8                     |                       |
| 9WXYZ       | W                     | X                     | Y                     | Z                     | 9                     |

- Press the  button to enter the number “0”. When entering special characters, press  button repeatedly until the desired characters appear.

2. Press  to move to the next character.

- Cursor shifts to the next column automatically in two seconds after pressing a numeric key.
- Up to 16 alphabetical characters letters can be entered in a line.

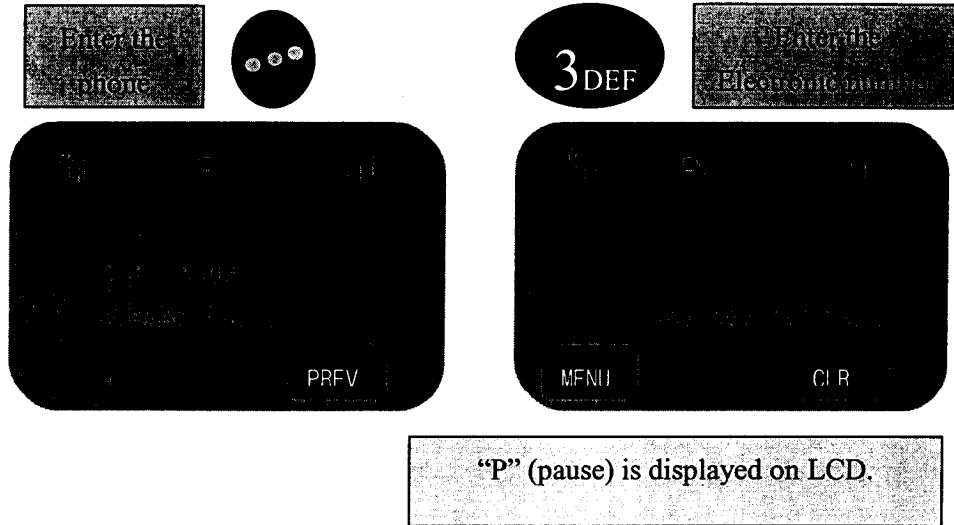
### How to correct characters

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

## Storing a Phone Number

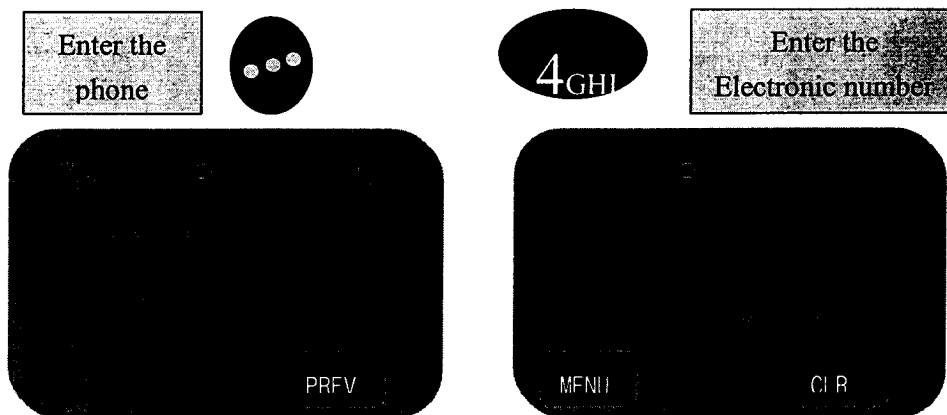
### Electronic Dialing (Pause)

Allows you to use ARS or beeper. By inserting P (pause) after the relevant telephone number, the number after the letter P is sent only after pressing the key once more.



### Inserting hyphen

Allows you insert hyphens anywhere you want so that you can use it when storing telephone or bank account number in memory.



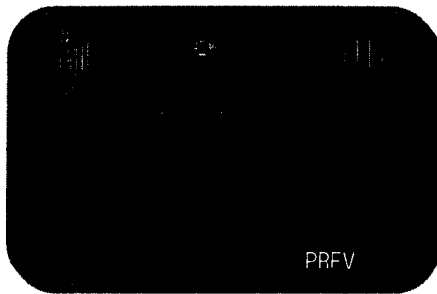
### ***Storing a Phone Number***

#### **Recalling by the memory location number**

This feature allows you to make a call by recalling a stored phone number.

- Memory location number from 0 to 9: press and hold the memory location number of the phone number
- Memory location number from 10 to 99: press the first digit of the memory location number quickly and press and hold its second digit of the phone number.
- Press the memory location number and  button.

When there are more than two phone numbers in a memory location number:



- Press the relevant dial button of the number you want.

**Menu Structure**

| 1 <sup>st</sup> step | 2 <sup>nd</sup> step | 3 <sup>rd</sup> step                             | 4 <sup>th</sup> step                                                   |
|----------------------|----------------------|--------------------------------------------------|------------------------------------------------------------------------|
| 1.Diary              | 1. Phone book        | 1. Call Log                                      |                                                                        |
|                      |                      | 2. By location                                   | Search Location?                                                       |
|                      |                      | 3. By Name                                       | Search Recall Name?                                                    |
|                      |                      | 4. By Number                                     | Search Number?                                                         |
|                      |                      | 5. Store                                         |                                                                        |
|                      | 2. Calculator        |                                                  |                                                                        |
|                      | 3. Schedule          | 1. View Lists                                    |                                                                        |
|                      |                      | 2. Input Schedule                                |                                                                        |
|                      |                      | 3. Pause All                                     | Yes/No                                                                 |
| 2.Phone setting      | 1. Volume            | 1. Ring Mode                                     | Bell/light/vibration/no sound/bell after vibration                     |
|                      |                      | 2. Ring Type                                     | Bell 1/.. Bell 6/<br>Melody 1/.. Melody 7/<br>My melody1/.. My melody5 |
|                      |                      | 3. Ringer Volume                                 |                                                                        |
|                      | 2. Backlight         | 3secs / 5secs / 10secs / OFF In Day / Always Off |                                                                        |
|                      | 3. Display Menu      | Text/Graphic                                     |                                                                        |
|                      | 4. Display Logo      | Date/Gulliver                                    |                                                                        |
|                      | 5. Contrast          |                                                  |                                                                        |
|                      | 6. Auto Answer       | No use / 1Rings / 3Rings                         |                                                                        |
| 3. Timer             | 1. Last Call         |                                                  |                                                                        |
|                      | 2. All Calls         |                                                  |                                                                        |
|                      | 3. Roam Calls        |                                                  |                                                                        |
|                      | 4. World Time        | Tokyo/.../Hong Kong                              |                                                                        |
|                      | 5. Stopwatch         |                                                  |                                                                        |

**Menu Structure**

| 1 <sup>st</sup> step | 2 <sup>nd</sup> step | 3 <sup>rd</sup> step                 | 4 <sup>th</sup> step                             |
|----------------------|----------------------|--------------------------------------|--------------------------------------------------|
| 4. Special           | 1. Bio-rhythm        | 1. Today                             |                                                  |
|                      |                      | 2. Someday                           | Input date                                       |
|                      |                      | 3. Input Birthday                    | Input date                                       |
|                      | 2. Melody            | 1. Write Melody                      | Melody to edit?<br>My melody 1/ .. My melody 5   |
|                      |                      | 2. Hear Melody                       | Melody to listen?<br>My melody 1/ .. My melody 5 |
|                      |                      | 3. Melody Speed                      | Change the tempo?<br>My melody 1/ .. My melody 5 |
| 5. Alert             | 1. Min Alert         | Setting/Release                      |                                                  |
|                      | 2. Connect Alert     | Low/Mid/High/Off                     |                                                  |
|                      | 3. Area Alert        | Setting/Release                      |                                                  |
|                      | 4. Fade Alert        | Setting/Release                      |                                                  |
| 0: Security          | 1. Auto Lock         | No      Use/After<br>20Secs/Power On |                                                  |
|                      | 2. Change Code       | Password?                            |                                                  |
|                      | 3. Banner            | Banner                               |                                                  |
|                      | 4. Restrict          | 1. Incoming                          | Allow/Restrict                                   |
|                      |                      | 2. Outgoing                          | Allow/Restrict                                   |
|                      |                      | 3. Memory Only                       | Allow/Restrict                                   |
|                      | 5. Reset             | Reset Setting!                       | Yes/No                                           |

***Menu Structure***

| 1 <sup>st</sup> step | 2 <sup>nd</sup> step | 3 <sup>rd</sup> step | 4 <sup>th</sup> step |
|----------------------|----------------------|----------------------|----------------------|
| 0. Security          | 6. Clear             | 1. Stored #'s        | Yes/No               |
|                      |                      | 2. Schedule          | Yes/No               |
|                      |                      | 3. Call Log          | Yes/No               |
|                      |                      | 4. Call Times        | Yes/No               |
|                      | 7. Phone Number      |                      |                      |
|                      | 8. Version           |                      |                      |
| Menu during a call   | 1. Send Phone #      |                      |                      |
|                      | 2. Scratch Pad       |                      |                      |
|                      | 3. Mute              |                      |                      |
|                      | 4. View Phone #      |                      |                      |

## **Chapter 3**

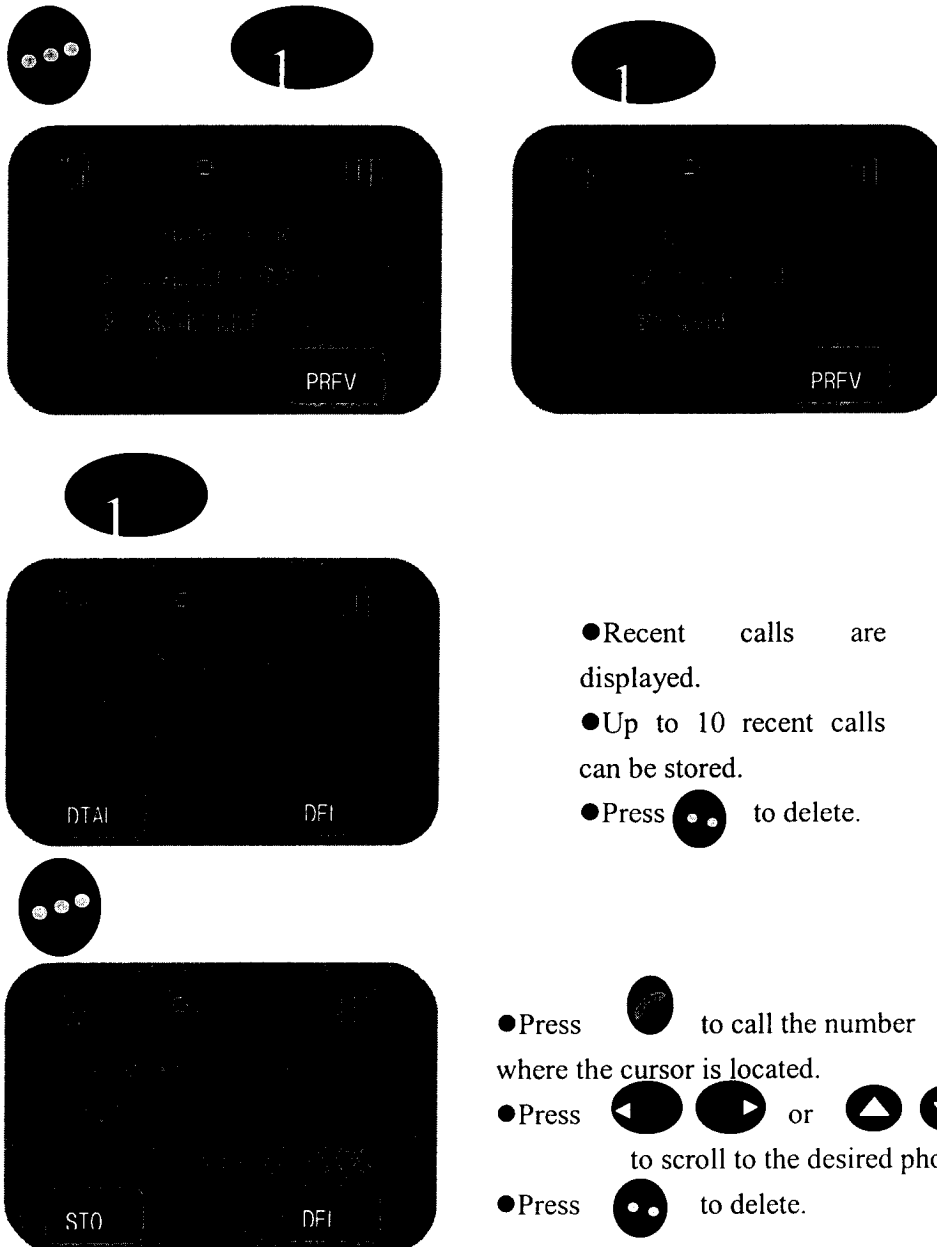
### **Electronic Diary**

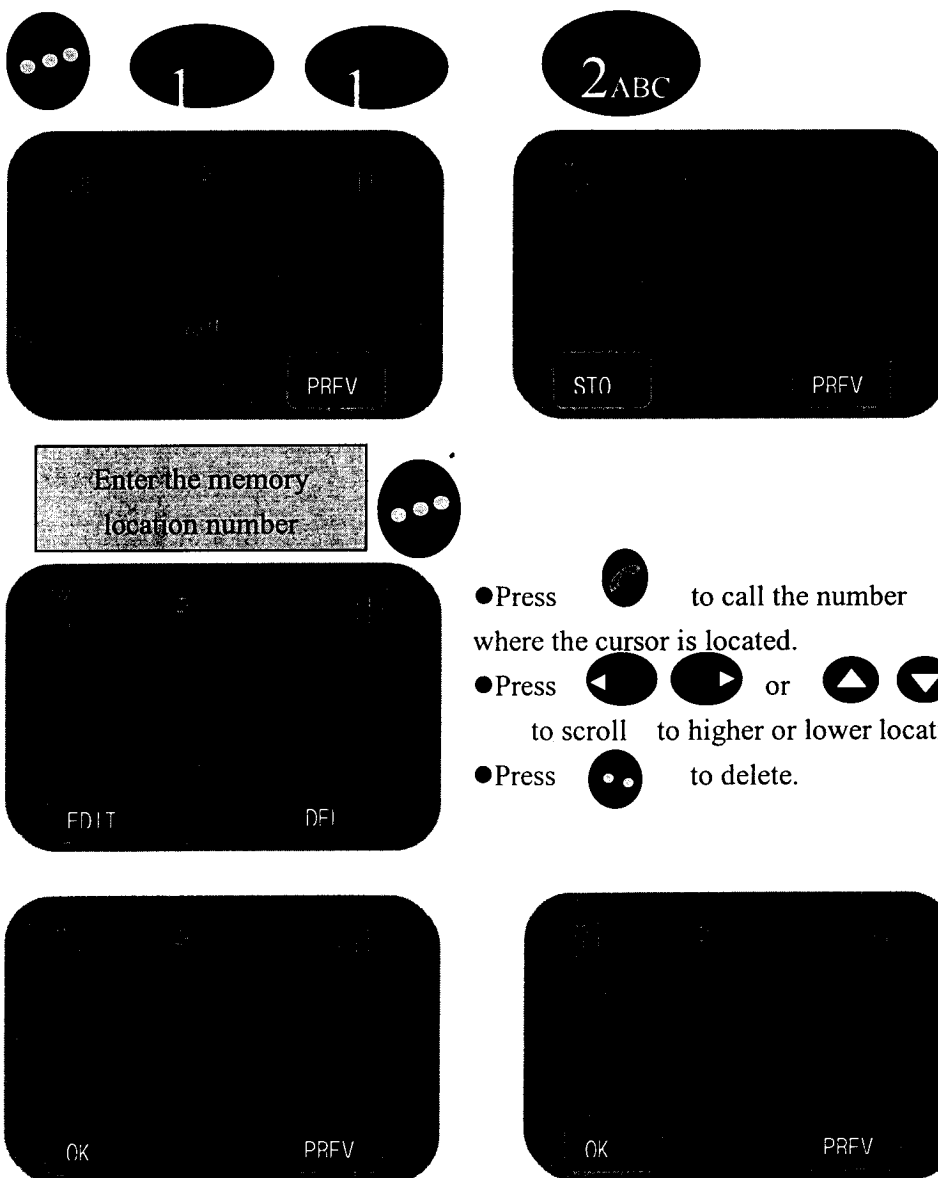
1. Telephone Book
2. Electronic Calculator
3. Schedule Management

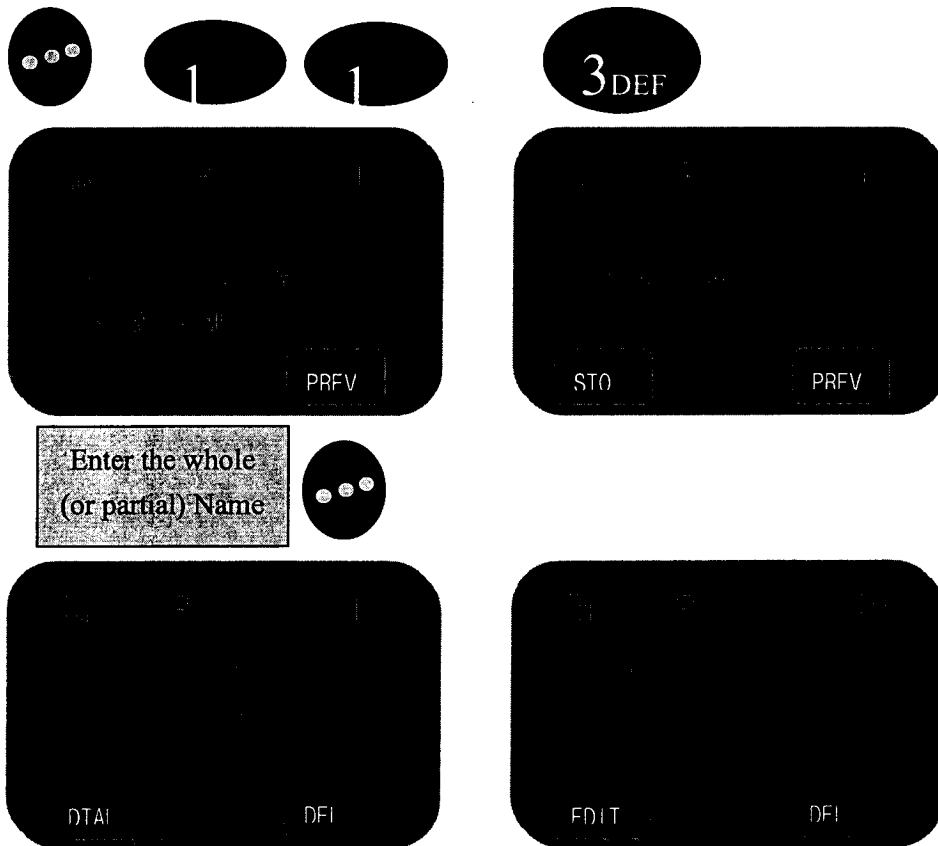
## Phone Book

### Recent calls

This feature allows you to retrieve recent calls.



**Phone Book****Recalling by the memory location number**

**Phone Book****Recalling by the name**

Press  to call the number where the cursor is located.

● Press  to call the number where the cursor is located.

● Press  or  to scroll to higher or lower location number.

● Enter the lock code if it is a hidden number.

● Press  to delete.

*Phone Book*

**Recalling by the phone number**



1

1

1

2

3

4

5

6

7

8

9

0

\*

#

PRFV

4

GHI

STO

PRFV

Enter the Whole  
(or Partial) Number



DTAI

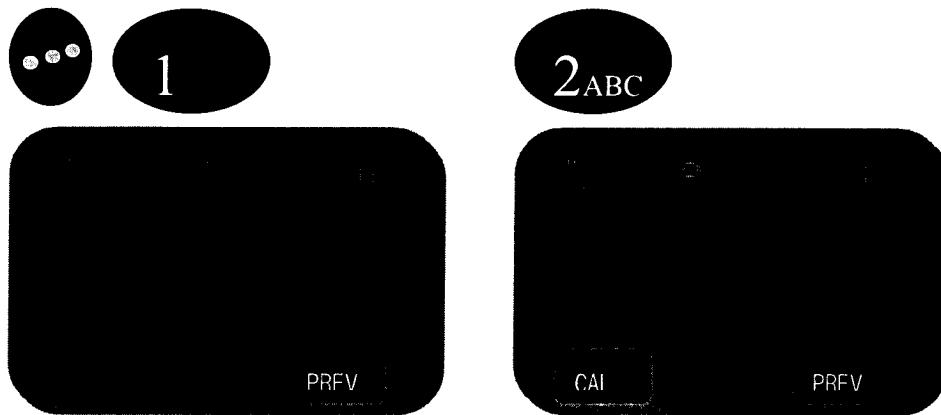
DEFI

Press  to call the number

● Press  to call the number where the cursor is located.

● Press  or  or  or  to scroll to higher or lower location number.

● Press  to delete.

*Using the Calculator*

- Make a calculation by referring to the followings:



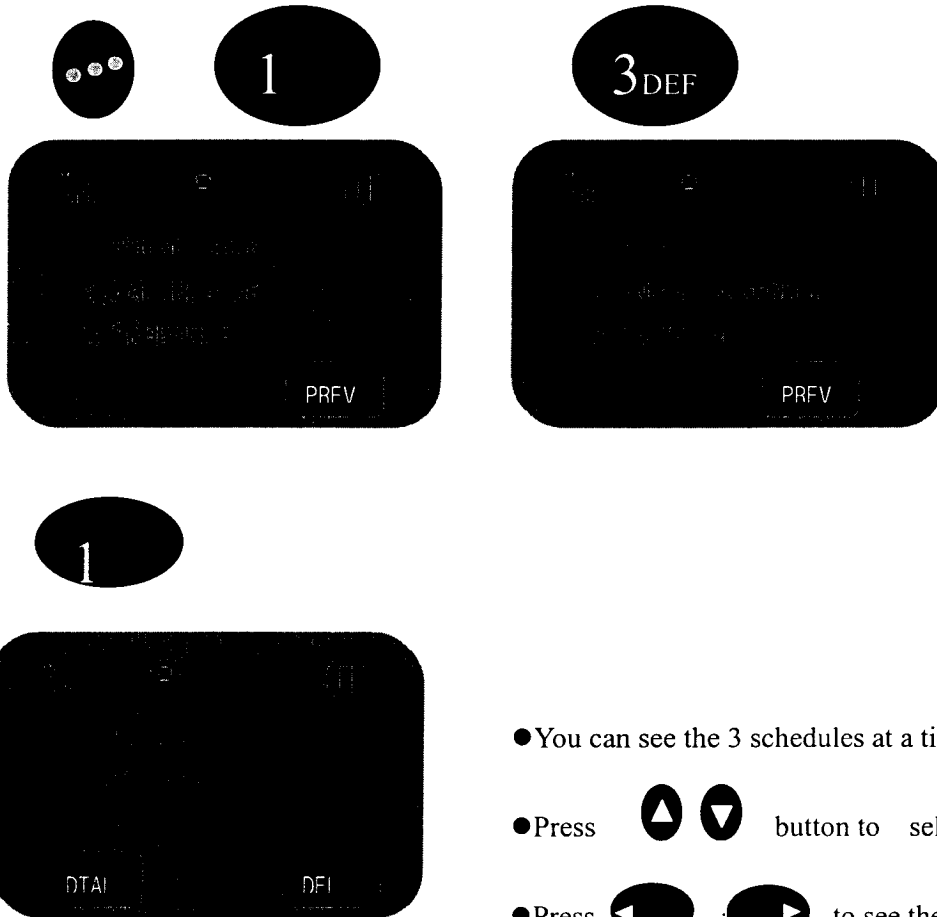
- And then press to see the results.
- While you enter the numbers, you can see the button functions (BMP)

Ex) When calculating  $128 \times 32 =$

- 1) Enter 128
- 2) Press button
- 3) Enter 32
- 4) Press button

## Schedule Management

### Recalling the schedule



● You can see the 3 schedules at a time in an entry order.

● Press   button to select the schedule.

● Press   to see the detailed schedule.

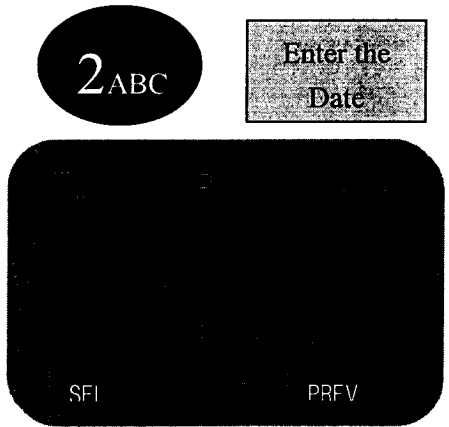
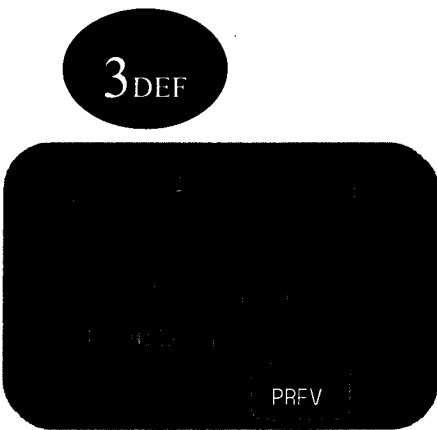
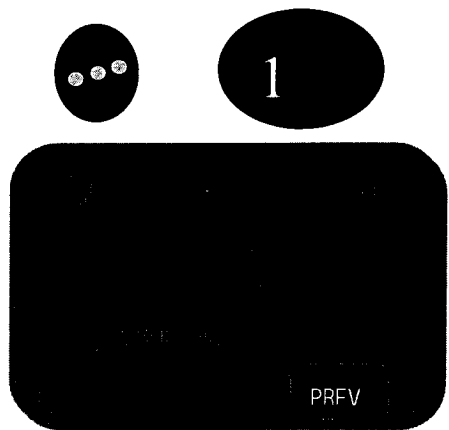
● Press  to set the alarm for the schedule or not.

● Press  to delete the schedule.

● Press     To retrieve other detailed list.

*Schedule Management*

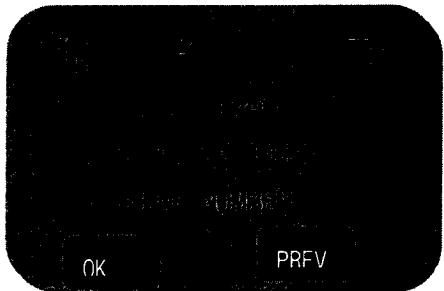
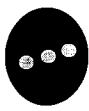
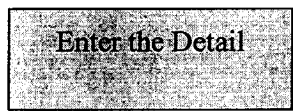
Entering the schedule.



Press   to select the month.

Press   to select the date.

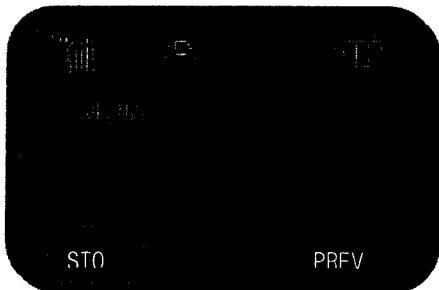
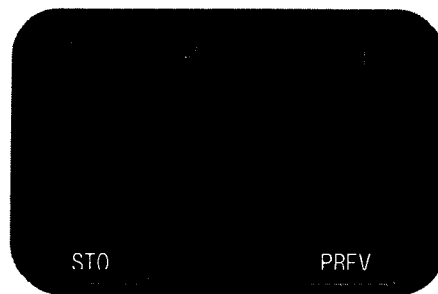
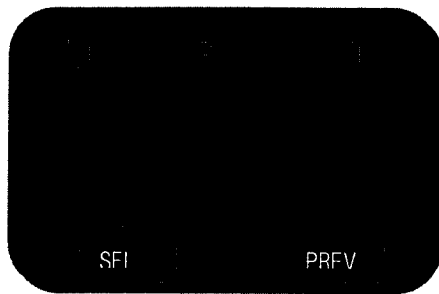
Today's date blinks.



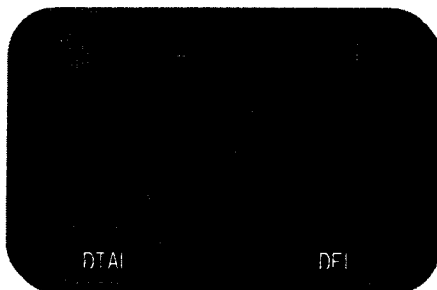
- .Alarm Type: Select between once /daily.
- .Schedule Title: enter when you want to use alert function.
- .Phone number: enter when you want to use the reservation function.

## Schedule Management

### Alarm option



Enter the  
Time

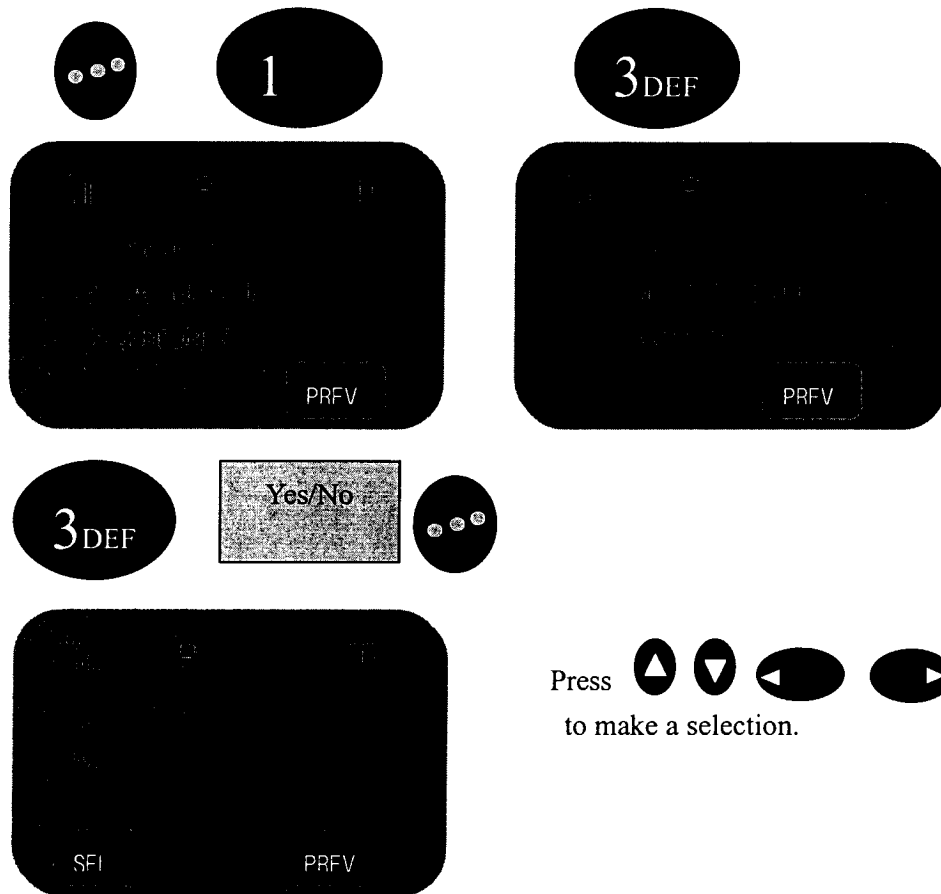


- Select AM/PM.  
- Press   to scroll.
- Press   Or numeric key to enter the time.

Up to 10 schedules can be stored.

## Schedule Management

### Setting the alarm off



# **Chapter 4**

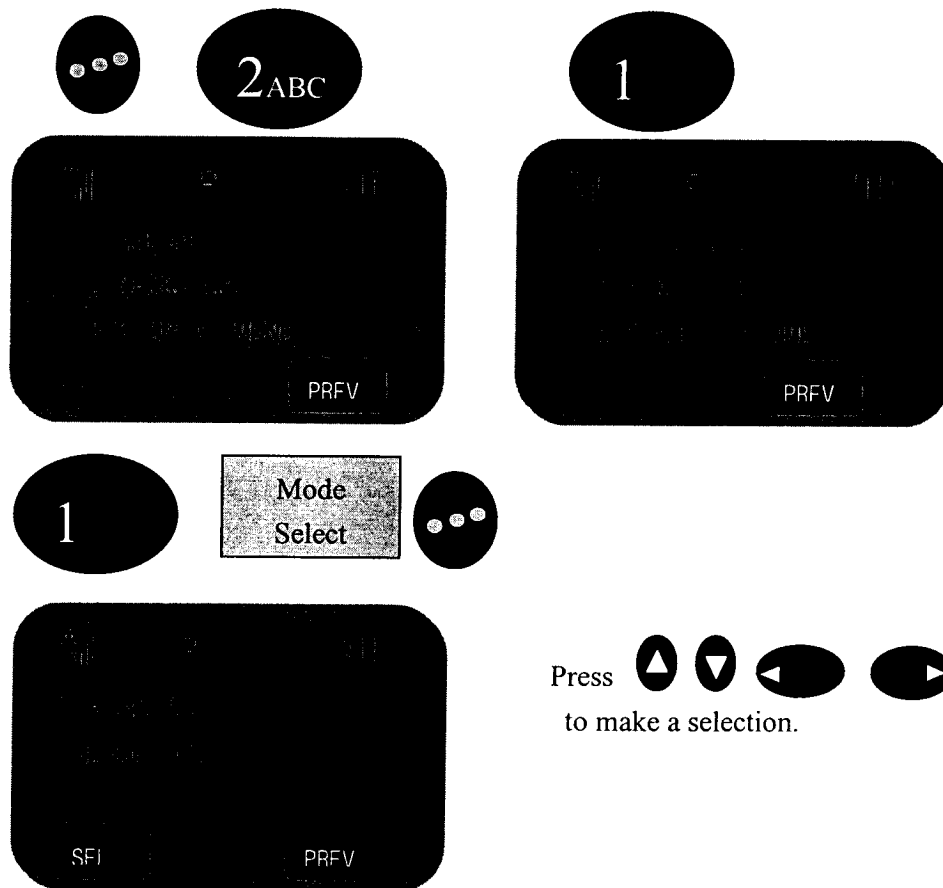
## **Phone Setting**

1. Selecting a Ringing Tone
2. Backlight
3. LCD Display
4. Setting the Initial LCD
5. LCD Screen Brightness
6. Auto Answer
7. Time Management

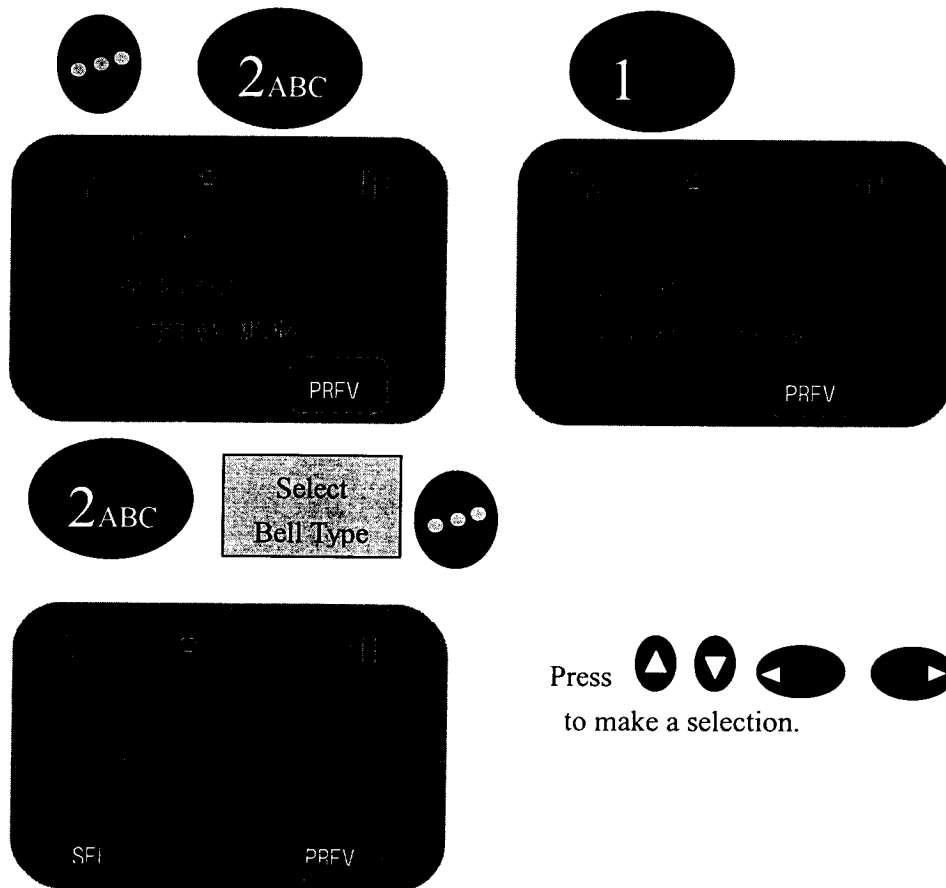
## Selecting a Ringing Tone

### Selecting a receiving mode

This feature allows you to select ringing tone or silent alert to be notified of a call.



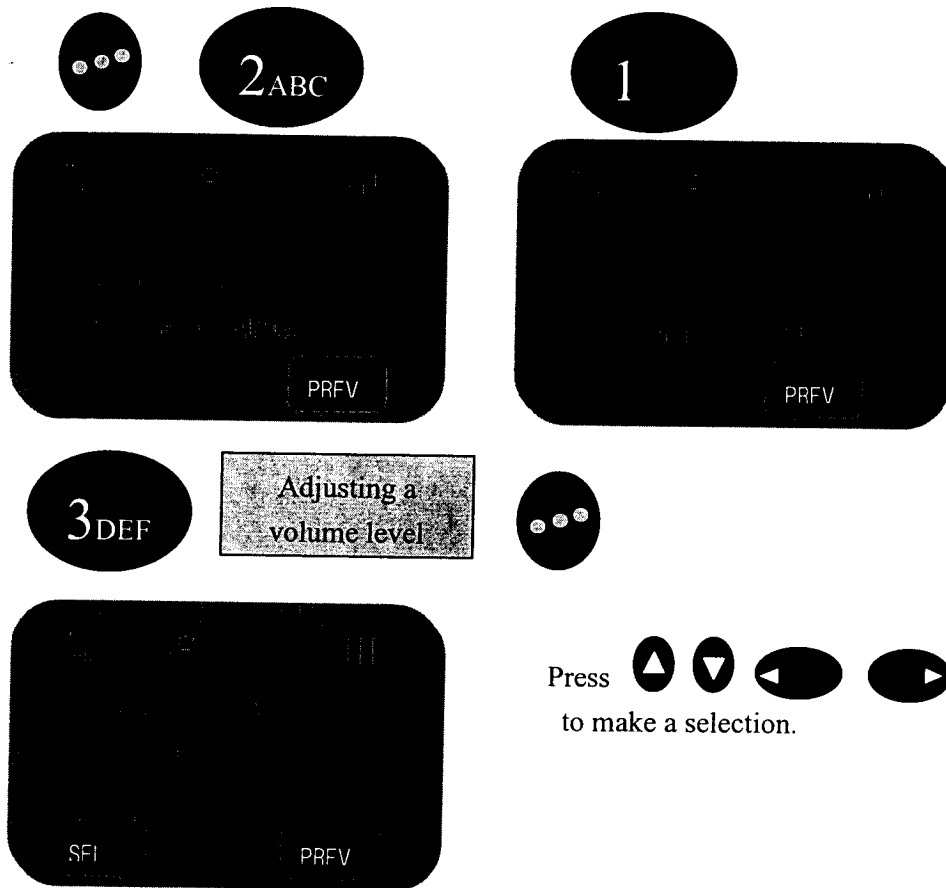
- Phone Bell
- Volume level increasing in five steps
- Vibration
- Bell after vibration: bell after 10 second vibration
- Silent alert

*Selecting a Ringing Tone***Selecting the bell type**

- Bell 1 – Bell 6
- Melody 1 – Melody 7
- My melody 1 – My melody 5  
(Up to 5 melodies can be entered and downloaded)

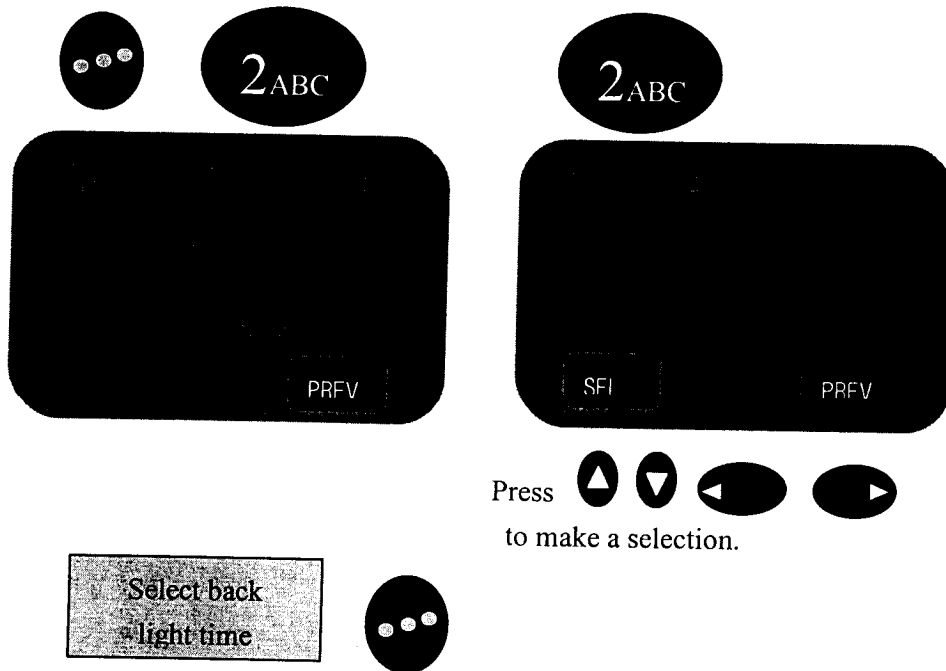
## Selecting a Ringing Tone

### Volume Level



***Backlight***

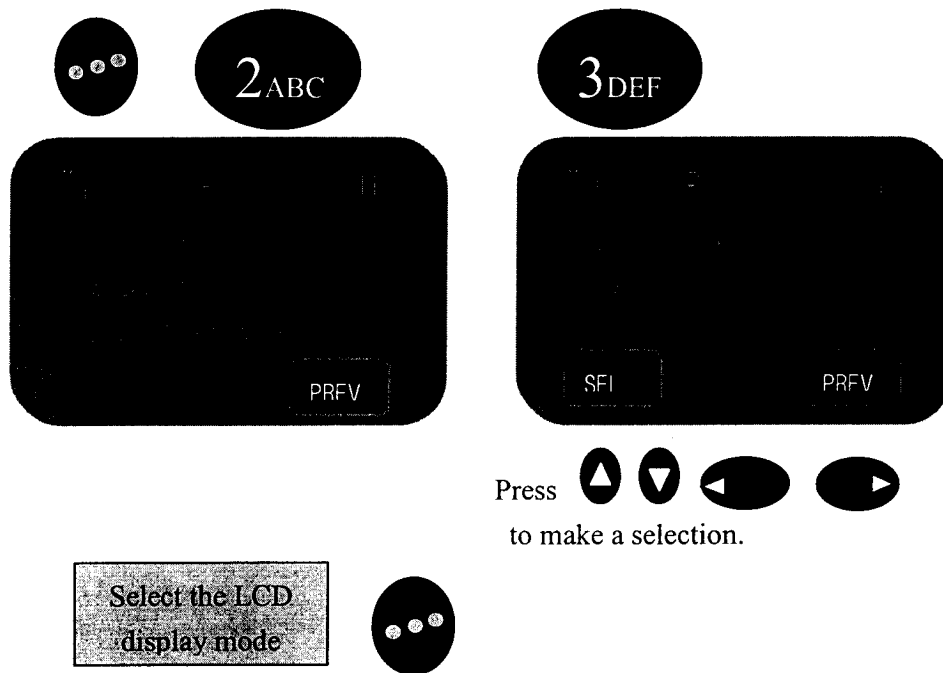
This feature allows you to select the time for keypad illumination.



- 3, 5, 10 seconds indicates the duration of the backlighting time.
- Off: sets the backlight off all the time.
- Off in day: turns off the backlight from 9 AM to 5 PM. From 5PM to 9 AM, the backlight is on 6 seconds. – Power Save Mode

***LCD display***

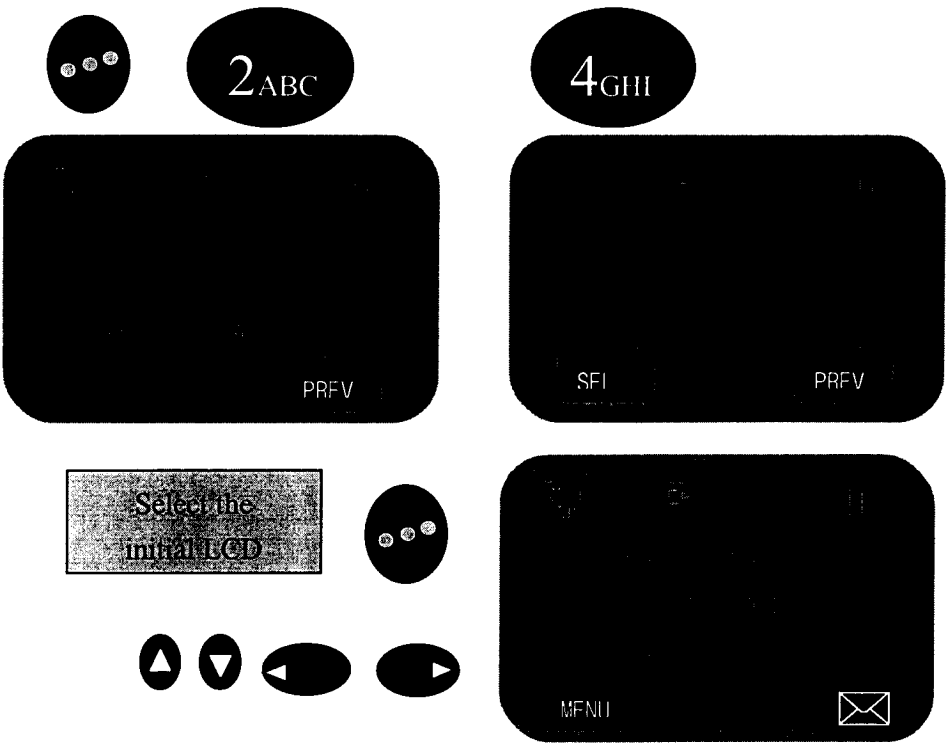
This feature allows you to select graphic or characters for LCD display.



- Graphic: LCD display is set as graphic
- Text: LCD display is set as Text

*Initial LCD Setting*

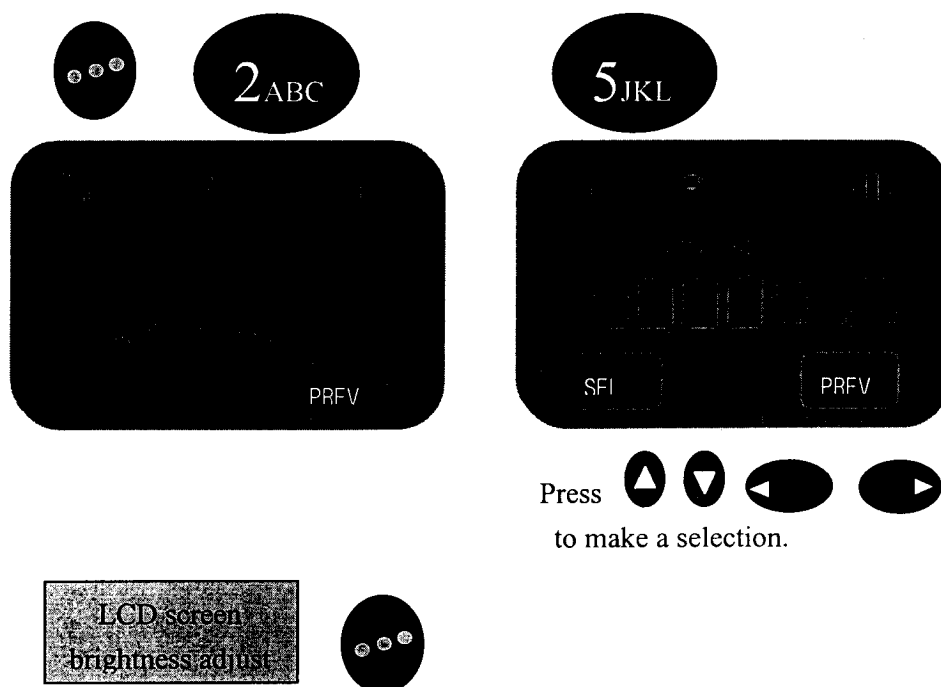
This feature allows you to select the LCD in standby mode.



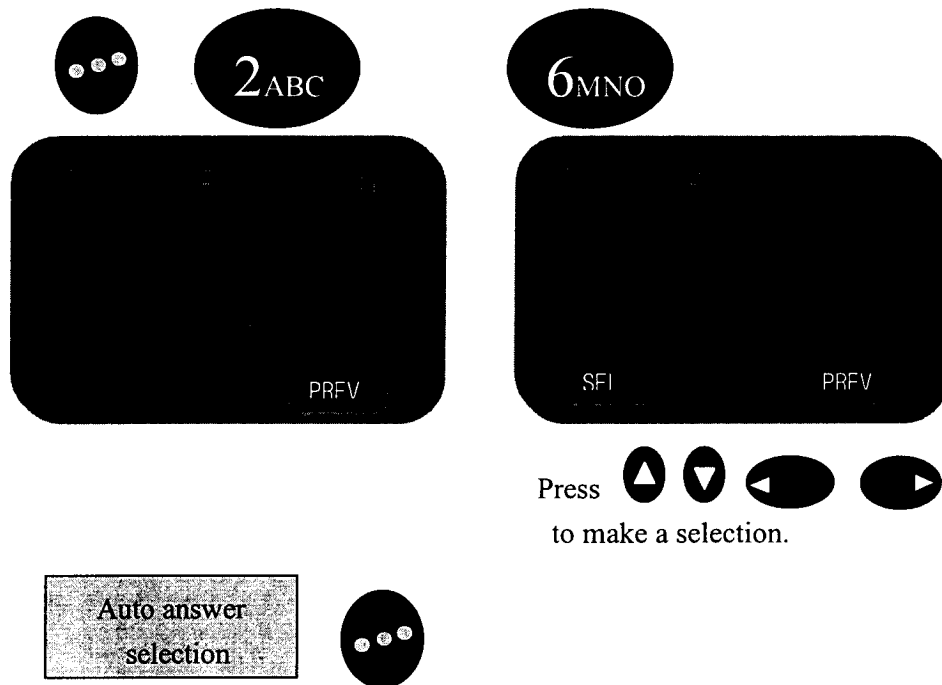
- Date and greeting message
- Gulliver

***LCD Screen Brightness***

This feature allows you to adjust the brightness of LCD screen.



You can adjust the brightness of LCD screen within a range from 1 to 7 level.

*Auto Answer*

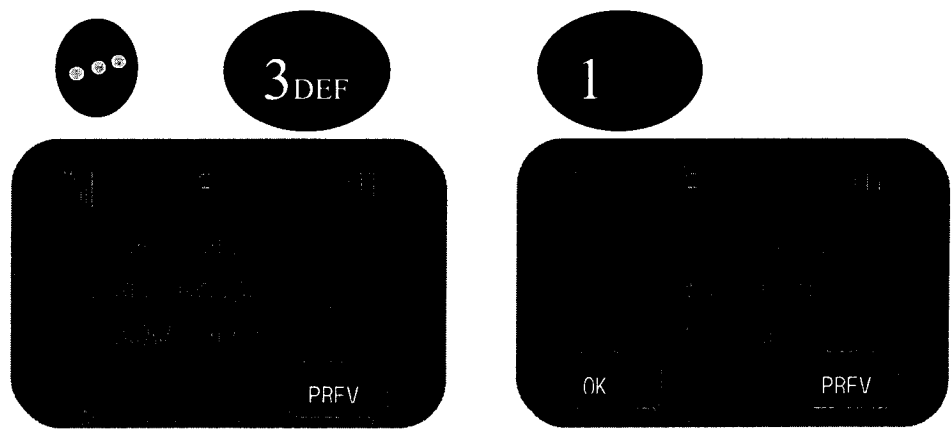
- 1, or 3 rings: indicates the number of rings before answering the call.
- OFF: cancels Auto Answer function.

This Auto Answer Function does not work when vibration, silent alert or etiquette function is selected or when the flip is covered.

*Time Management*

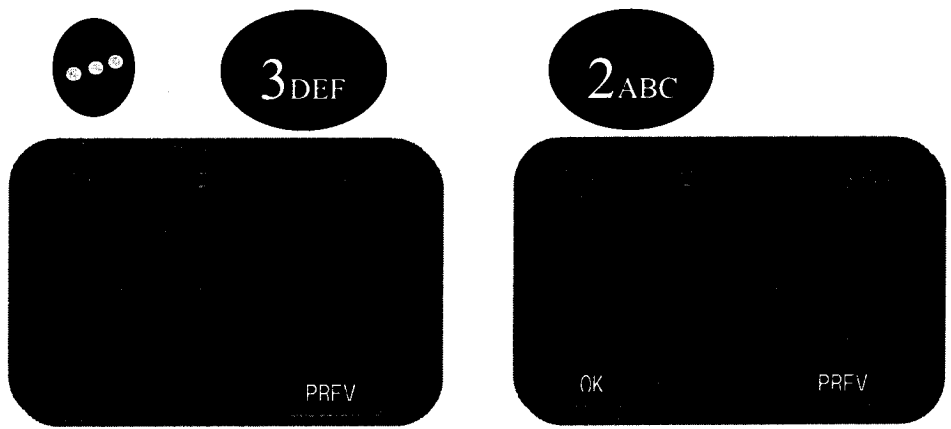
**The most recent call**

This feature allows you to view the duration of the last call.



**Total call time**

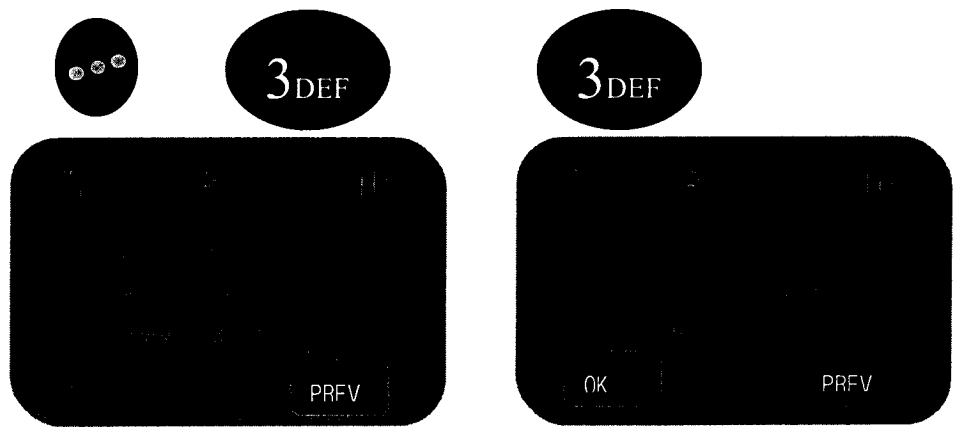
This feature allows you to view the total duration of the calls that you make.



*Time Management*

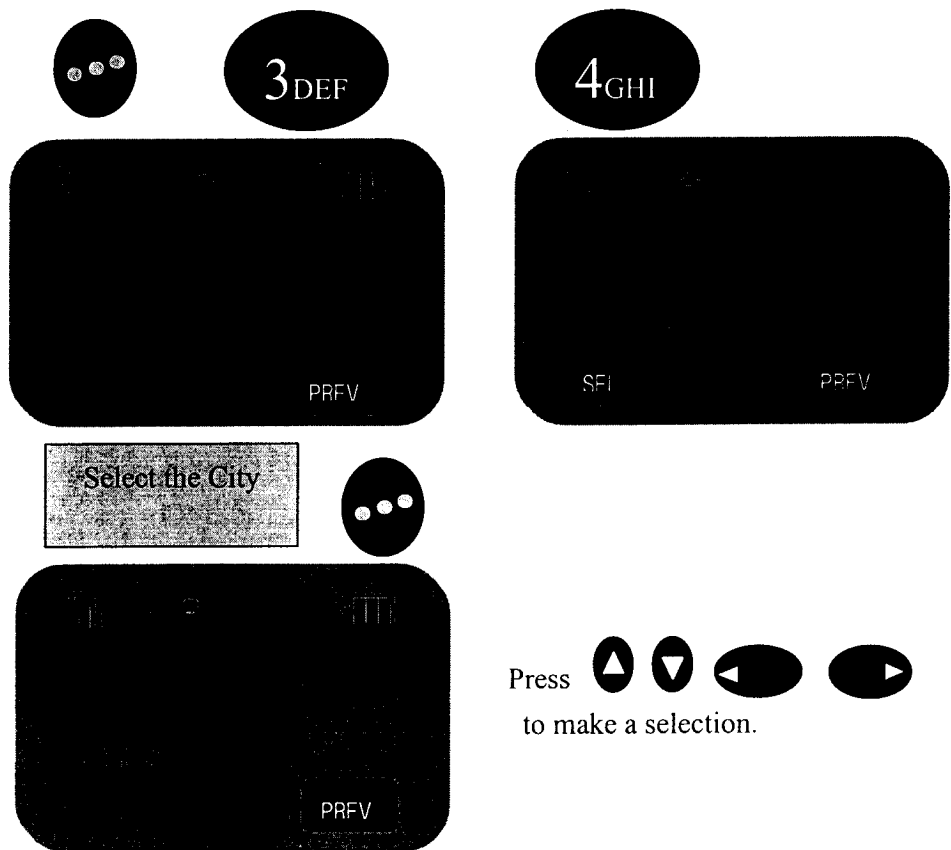
**Roam Time**

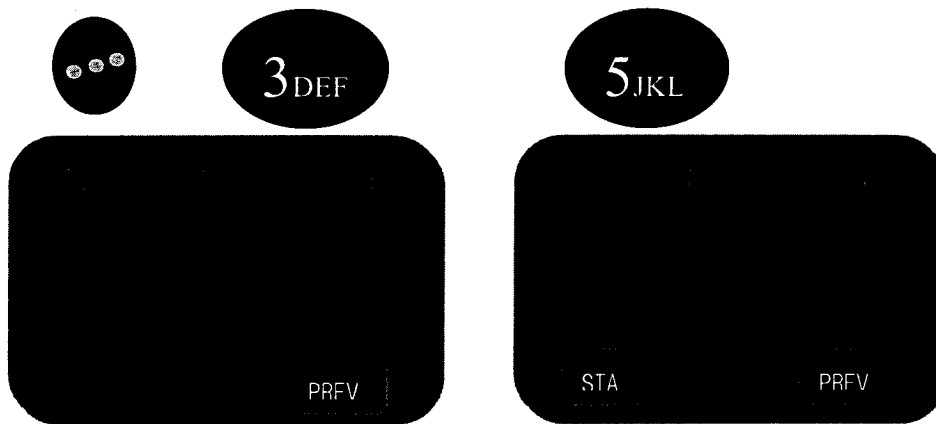
This feature allows you to view the total duration of roaming air time.



**World Time**

This feature allows you to see local standard time for 36 cities over the world.



***Time Management*****Stopwatch**

Press  to control the stopwatch.

- \* [STA] controls start      [STOP] controls stop      [SPL] controls split
- [REL] controls split release      [Complete] controls split result
- [INIT] controls reset
- Time displayed on the screen is up to 1/100 second.

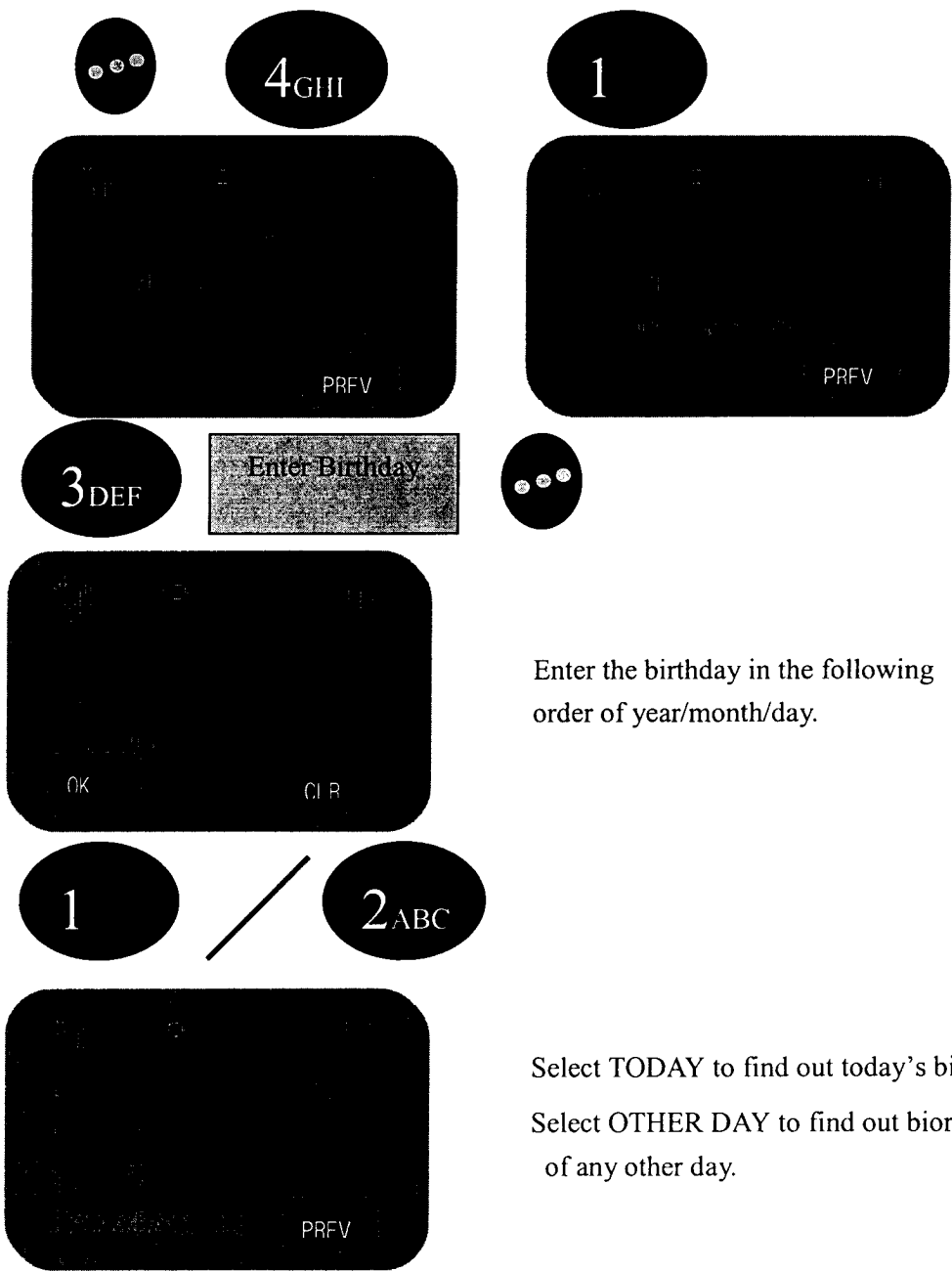
## **Chapter 5**

### **Additional Function**

1. Biorhythm
2. Melody Writing

**Biorhythm**

This feature allows you to check your biorhythm for today or a specific day using the birthday .



Biorhythm is only possible when you set up the time information.

***Biorhythm***

- Physical, emotional, and intelligent quotients appear with a number showing how many days have passed since your birth date on the bottom of the screen.
- What is biorhythm?

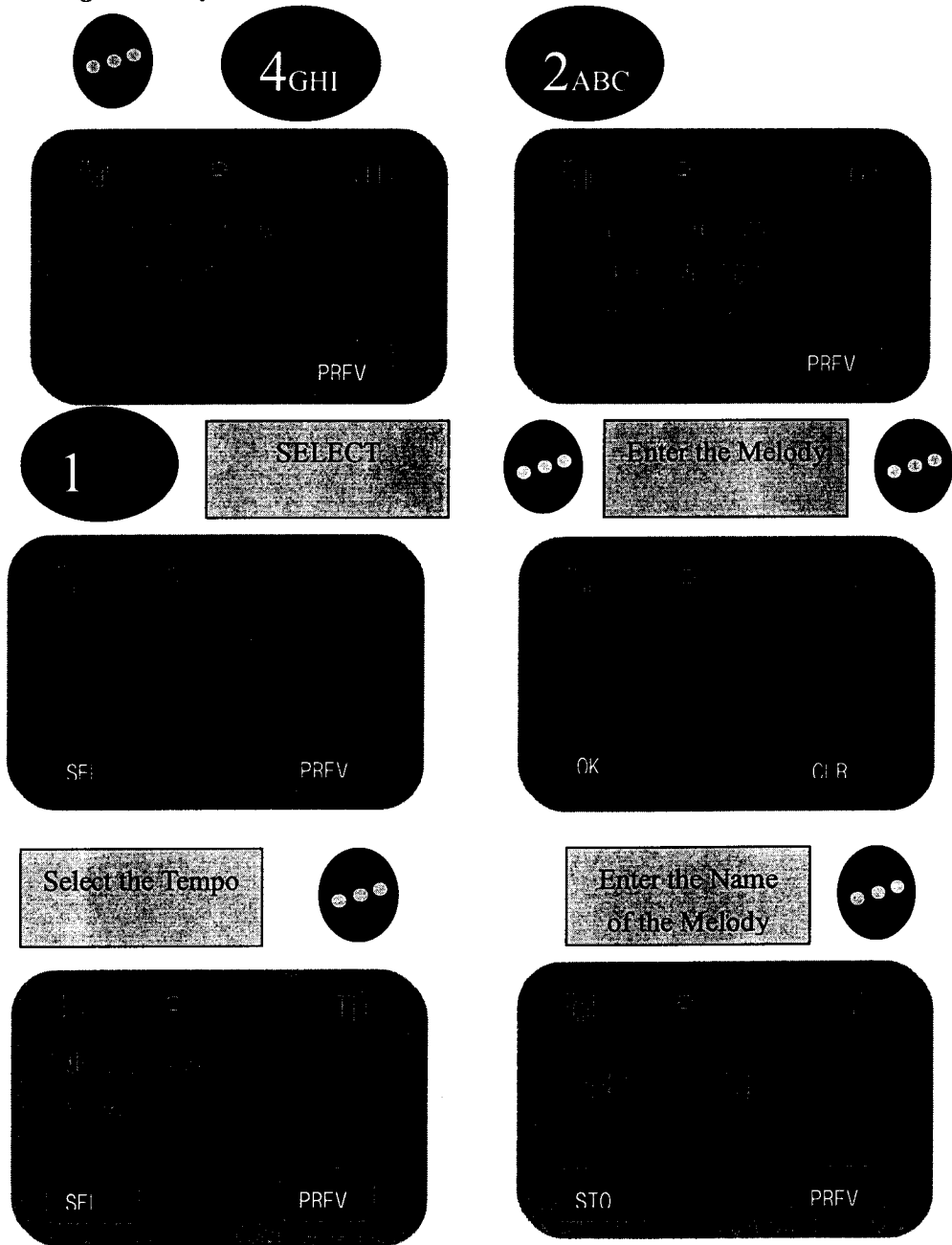
Biorhythm is a life rhythm that is governed by three rhythm curves called physical, emotional, and intelligent and starts from within our bodies from birth to death.

|                  | Physical rhythm (23 days)                                                                                                                                                                          | Emotional rhythm (28 days) (Stability rhythm such as work and love life)                                                                                     | Intelligent rhythm (33 days) (Learning and efficiency rhythm such as memory, ability to analyze, concentrate)                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vital period     | Suitable for tasks requiring physical strength, travel, intensive sports training. But be careful about overconfidence in your body and overdrinking. Good period for rapid recovery from surgery. | Takes care of works full of vitality. Good time for joint work, love seeking, and dating.                                                                    | Fast brain activity, lots of mental work. Planning, reviewing. Good time to make decisions about important matters.                                  |
| Dangerous period | High probability of increased body temperature, occurrence of chronic disease, code, headache. Be careful about driving and other hazardous situations.                                            | Emotions and nerves are easily shaken. Irritation, slip of the tongue, malicious gossip can worsen the condition of a disease.                               | Lack of attention and concentration leads to a mistake. Better to postpone important decisions or entering into contracts. Be careful about driving. |
| Lethargic period | Easily fatigued. Need to refrain from drinking, overeating, and excessive physical exercise. Rest is important. Regular and light exercise will increase your potential power.                     | Become passive at work. Better not to tackle work requiring patience and creativity. Need to take rest while avoiding personal relationships and challenges. | Relatively low level mental work. Avoid demanding brain work and courses you are not confident in. Organize materials, notes and cards.              |

*Melody Writing*

This feature allows you to enter the melody you want and use it as a ringing tone to be notified of a call.

**Writing a Melody**

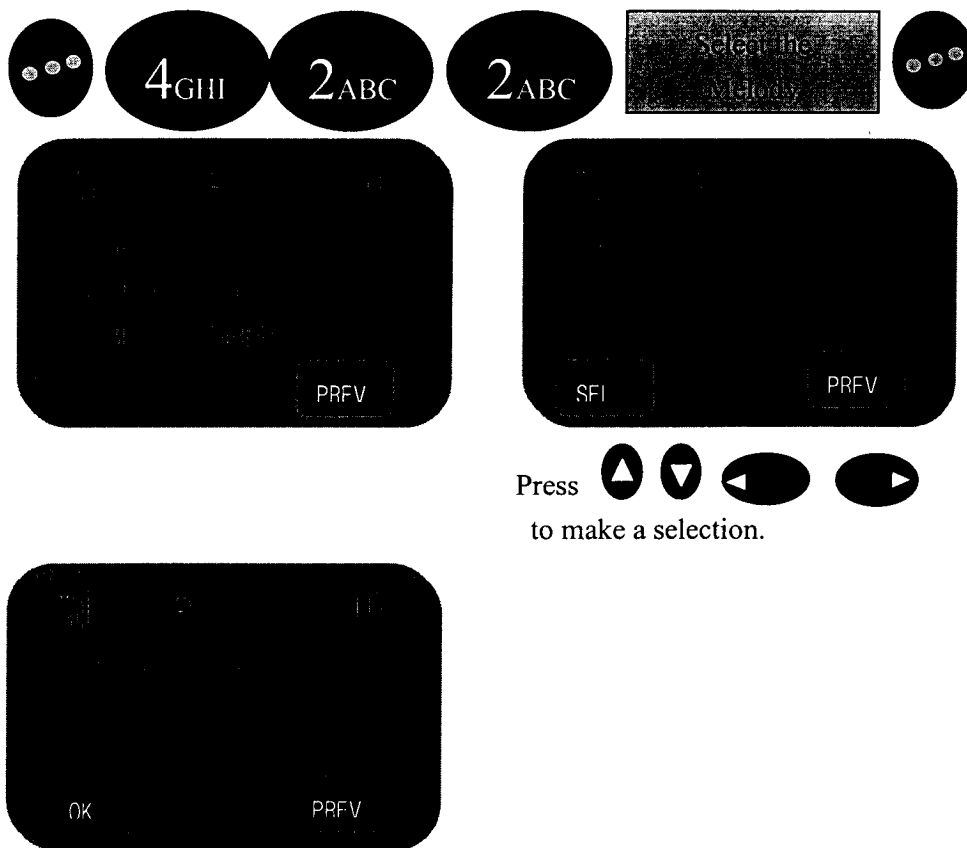


***Melody Writing***

- There are seven tempos to choose from:  
Largo, adagio, andante, moderato, allegretto, allegro, skerzo
- If there is a melody entered before, a message asking whether “to overwrite” will appear. Select YES if you want to set a new melody.
- The melody entered is added to the list of phone bell.

To enter or edit the melody,

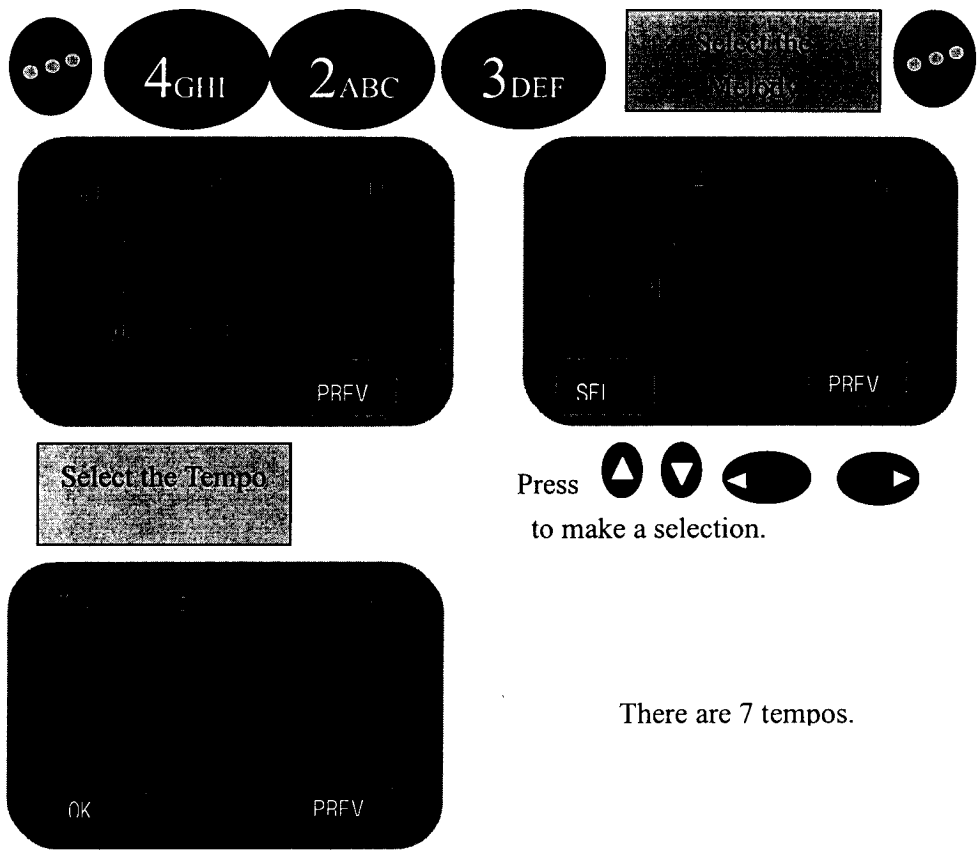
-  controls scale.  
{High scale (H mode), Low scale (L mode), Basic scale (B mode)}
-  represents DO
-  represents RE
-  represents MI
-  represents FA
-  represents SOL
-  represents LA
-  represents SI
-  represents REST
- Press  to insert a musical note (when editing)
- Press  to scroll to another musical note (edition function)
- Press  to select the length of a musical note
- Press  to select a semitone
- Press  to listen to the melody

*Melody Writing***Melody Listening**

- Press  to stop playing the music.
- "Spring" will be played when no other melody is entered.
- Press  to listen to the music again.

*Melody Writing*

**Tempo**



There are 7 tempos.

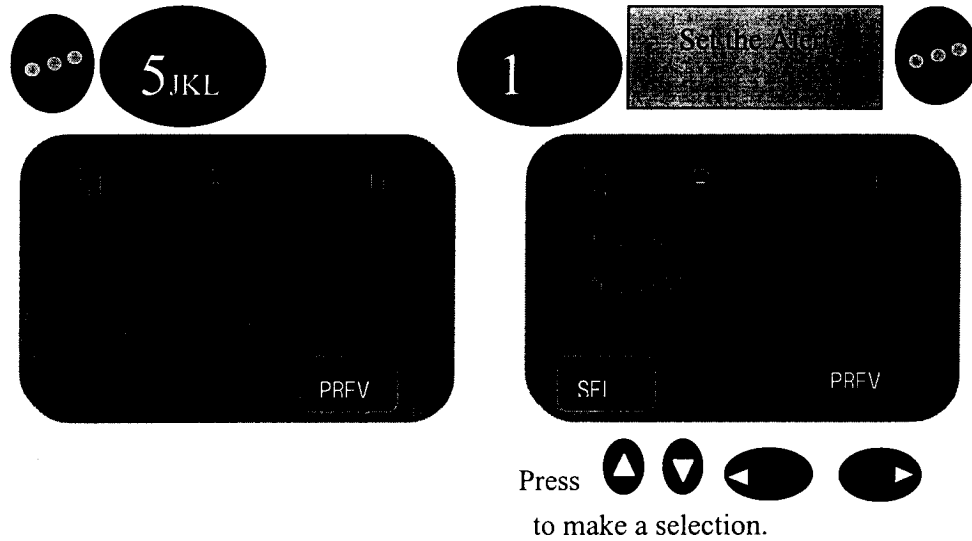
## **Chapter 6**

### **Alert Function**

## Alert Function

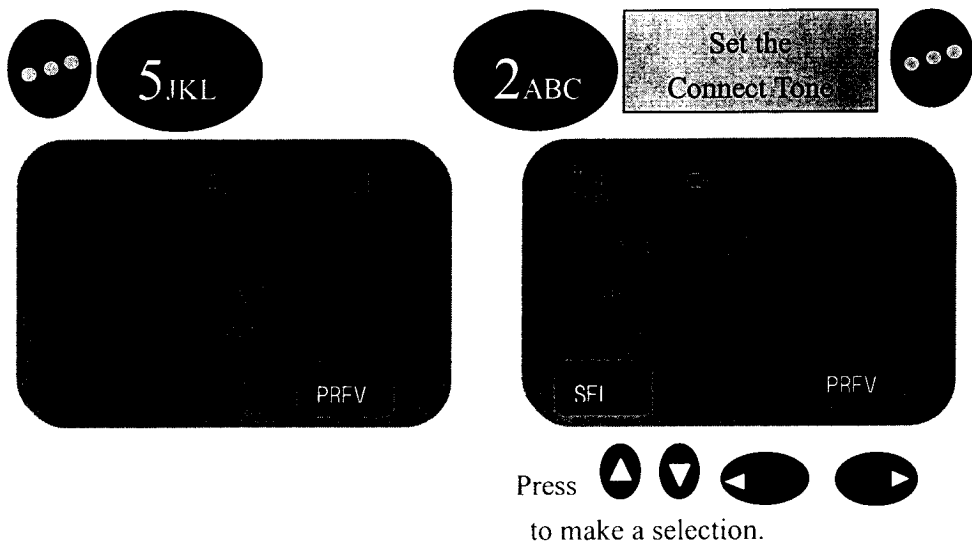
### Time reminder

With this feature ON, you will be notified during a call every minute by a short beep tone.



### Connection Sound

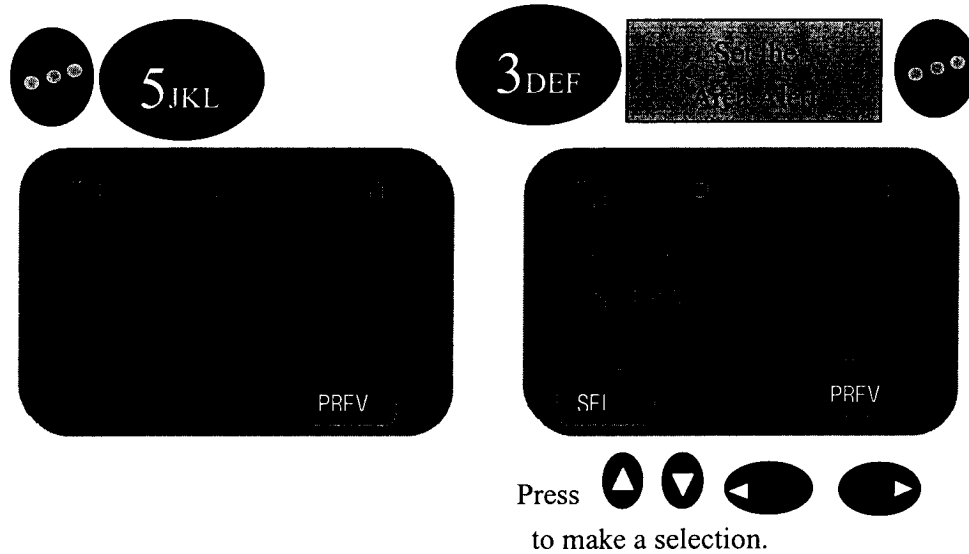
This feature sets the alarm sound when the call is connected.



- HIGH: the alert sound volume is loud.
- MID: the alert sound volume is moderate.
- LOW: the alert sound volume is low
- OFF: no alert sound

***Alert Function*****Service Area Alert**

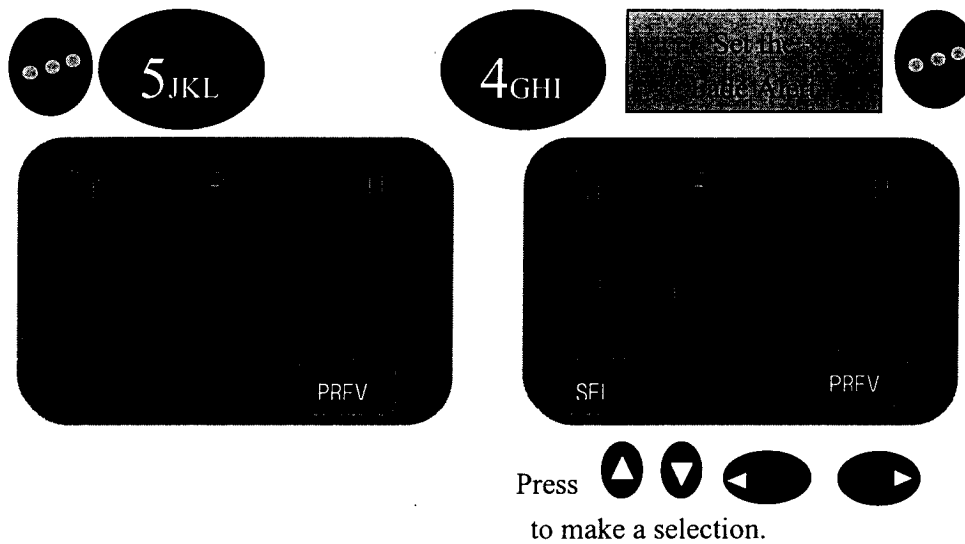
With this feature ON, you will be notified with an audible tone that you are changing service areas.



- Setting: sounds alert and displays a message when the change of service area occurs.
- Release: disables Area Alert function.
- There are three types messages as follows:
  - Changing service area: indicates that you are moving to another service area
  - Leaving service area: indicates that you are leaving a service area
  - Entering service area: indicates that you are just entering a new service area

***Alert Function*****Call Release Alert**

This feature provides an audible tone the call is disconnected.



- Setting; sounds alert when the call is released
- Release; disables Call Release Alert function

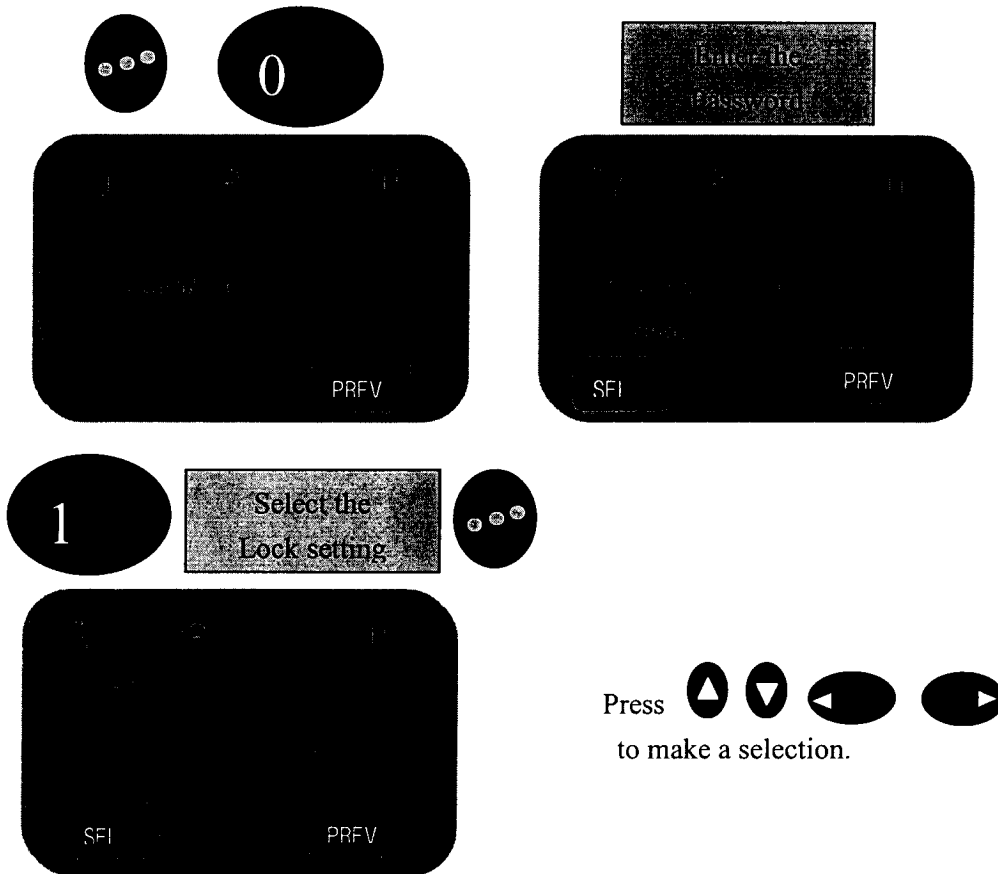
## **Chapter 7**

### **Confidential Information**

1. Setting Lock Code
2. Changing Lock Code
3. Entering Name
4. Call Restrict
5. Resetting the Phone
6. Memory Erase
7. Your Phone Number
8. Version Confirmation

### Setting Lock Code

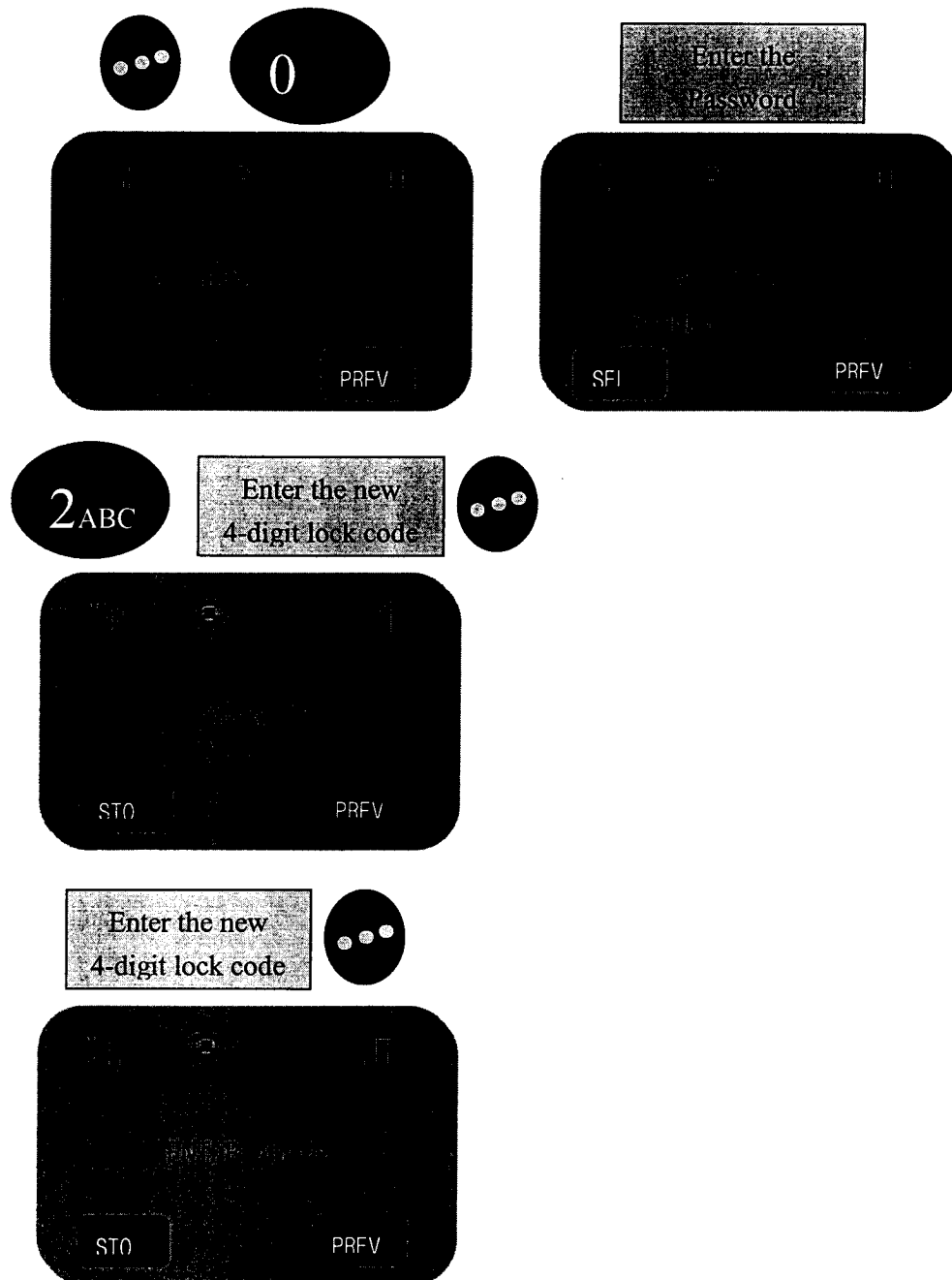
This feature protects the phone against unauthorized use, restricting all outgoing calls. Incoming calls can be answered and emergency calls can be made.



- Power on: indicates that the phone is locked after it is turned on.
- After 20 secs: indicates that the phone is locked 20sec in standby mode.
- No Use: cancels Lock function.
- If the  button is pressed long, the phone is locked 20 seconds after it is in standby mode and it is not used.

## *Changing Lock Code*

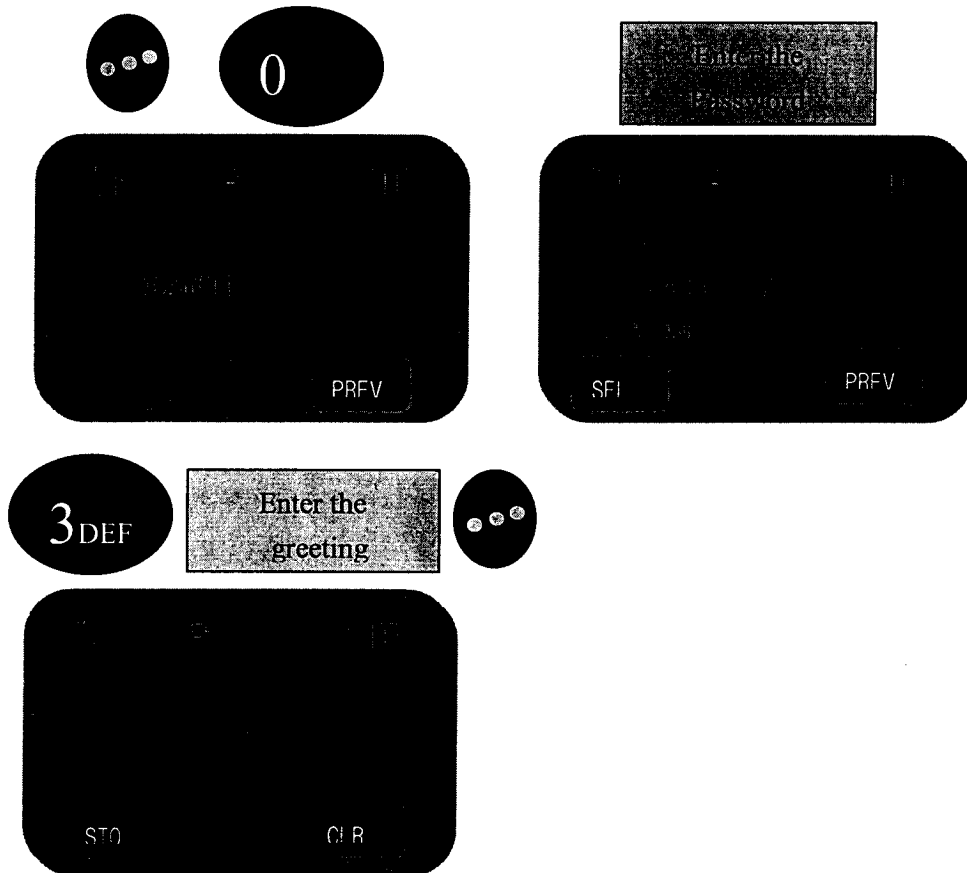
This feature allows you to change the four-digit lock code of the phone.



- When setting the lock code, keep the number somewhere in case you forget the number.

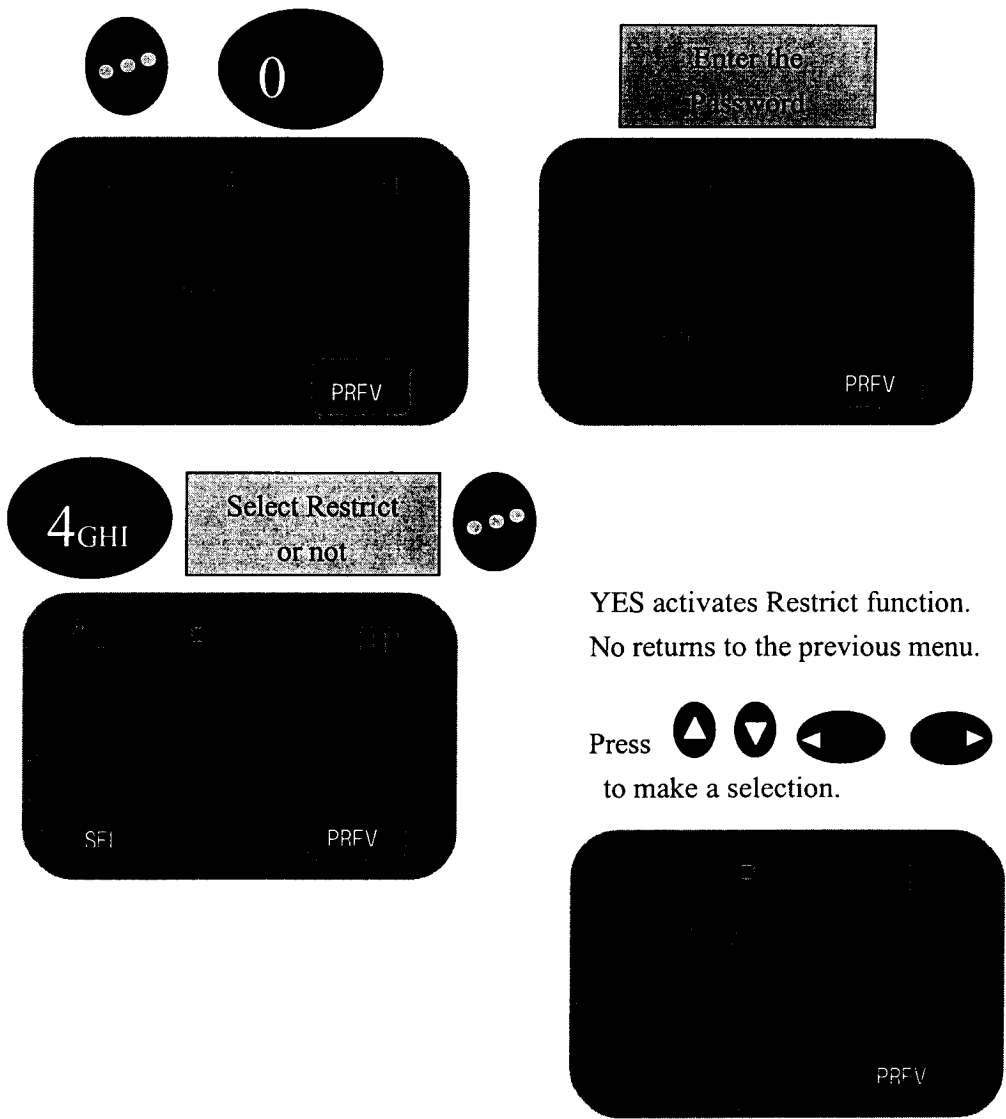
***Greeting Message***

This feature allows you to display a greeting message on the LCD when you power on the phone. A greeting message can contain a maximum 16 English characters.



*Call Restrict*

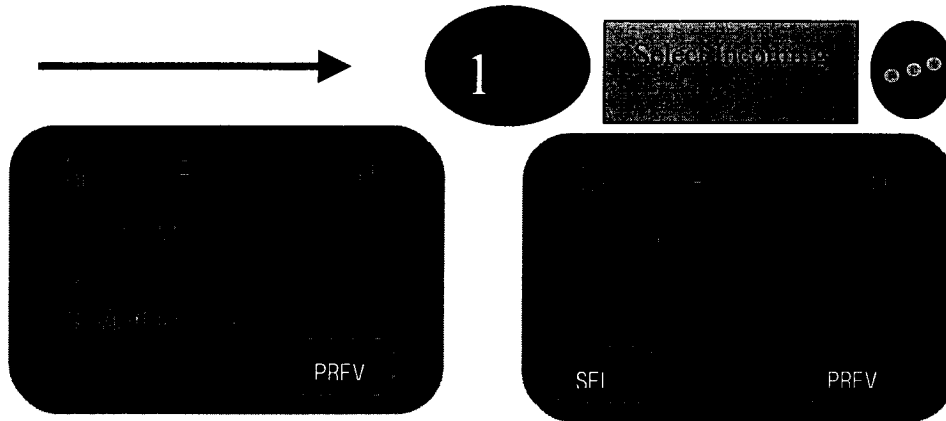
This feature allows 3 levels of call restrictions.



- When the phone is used in call restrict mode, 'call restrict' message appears and alarm is set. When the international is tried, 'international call restrict' message appears.

**Call Restrict****Barring all incoming calls**

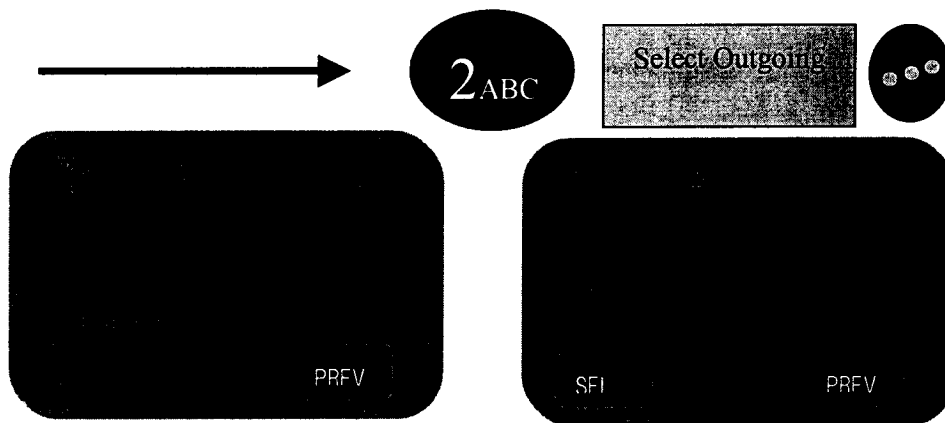
This feature restricts all incoming calls. Outgoing calls can be made.



- Restrict: bars incoming calls
- Allow: allows incoming calls

**Barring all outgoing calls**

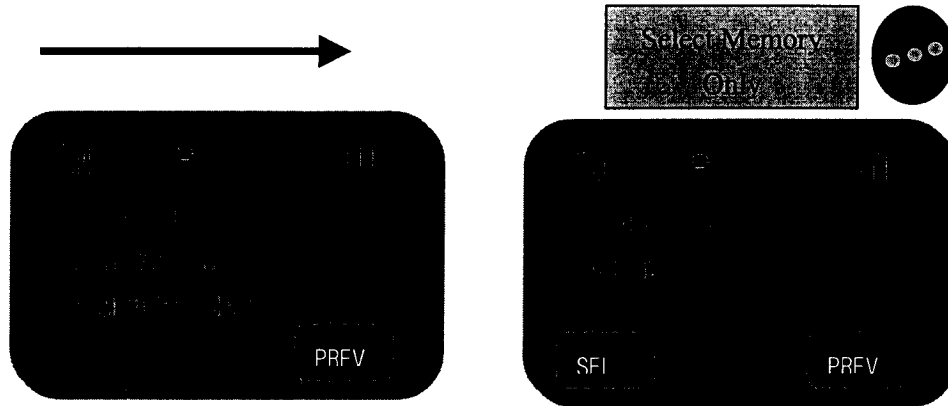
This feature makes the phone not allow all outgoing calls except emergency calls.



- Restrict: bars outgoing calls.
- Allow: allows outgoing calls.

***Call Restrict*****Barring the use of memory**

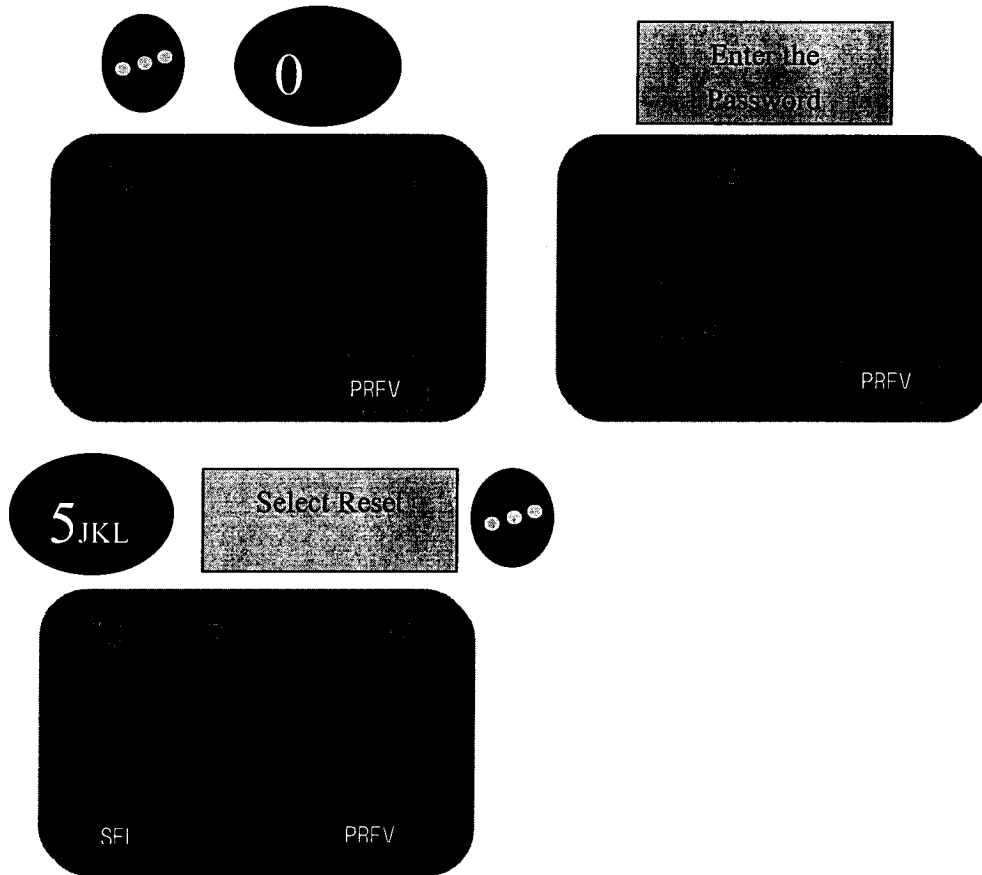
This feature restricts the phone against unauthorized storing or retrieval of entries stored in memory.



- Restrict: bars the use of memory
- Allow: allows the use of memory

***Resetting the Phone***

This feature allows you to reset the phone to factory default setting.

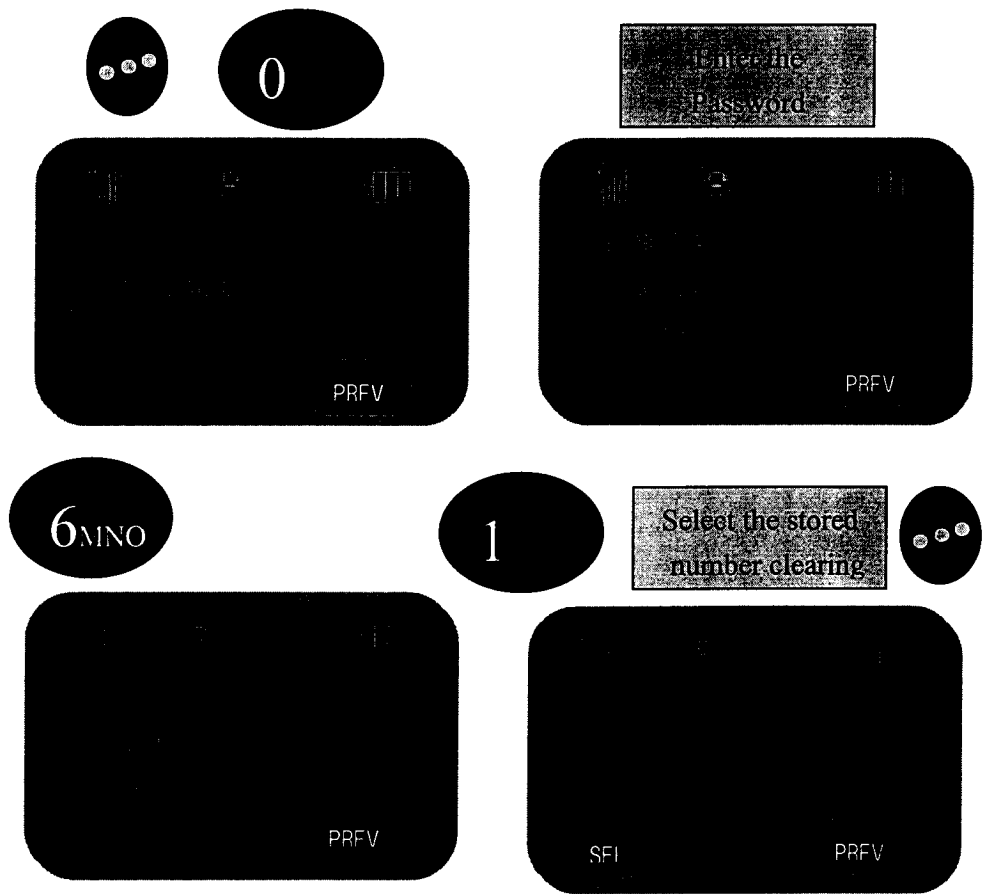


- Yes: resets the phone.
- No: does not reset the phone.

**Memory Erase**

This feature allows you to erase stored numbers, call details and total call time from memory.

**Clearing stored numbers**

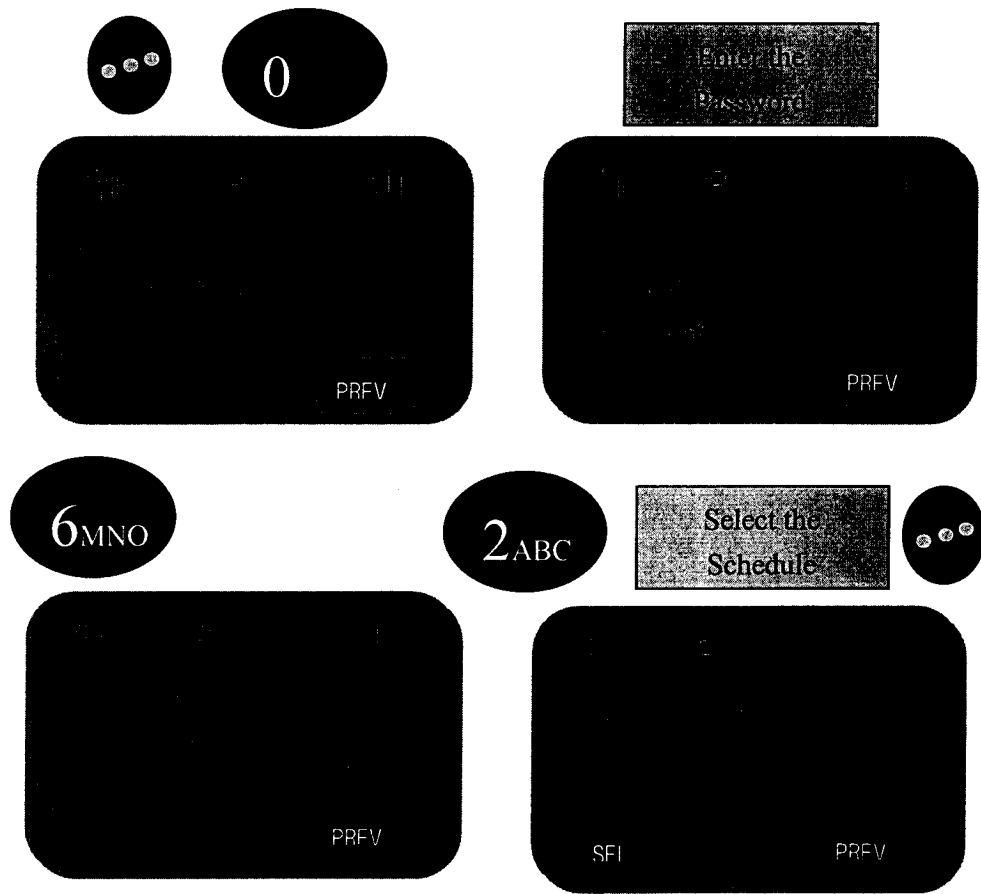


Yes: clears the entries.  
No: exits without erasing them.

*Memory Erase*

**Schedule Erase**

This feature allows to erase all the schedules entered.



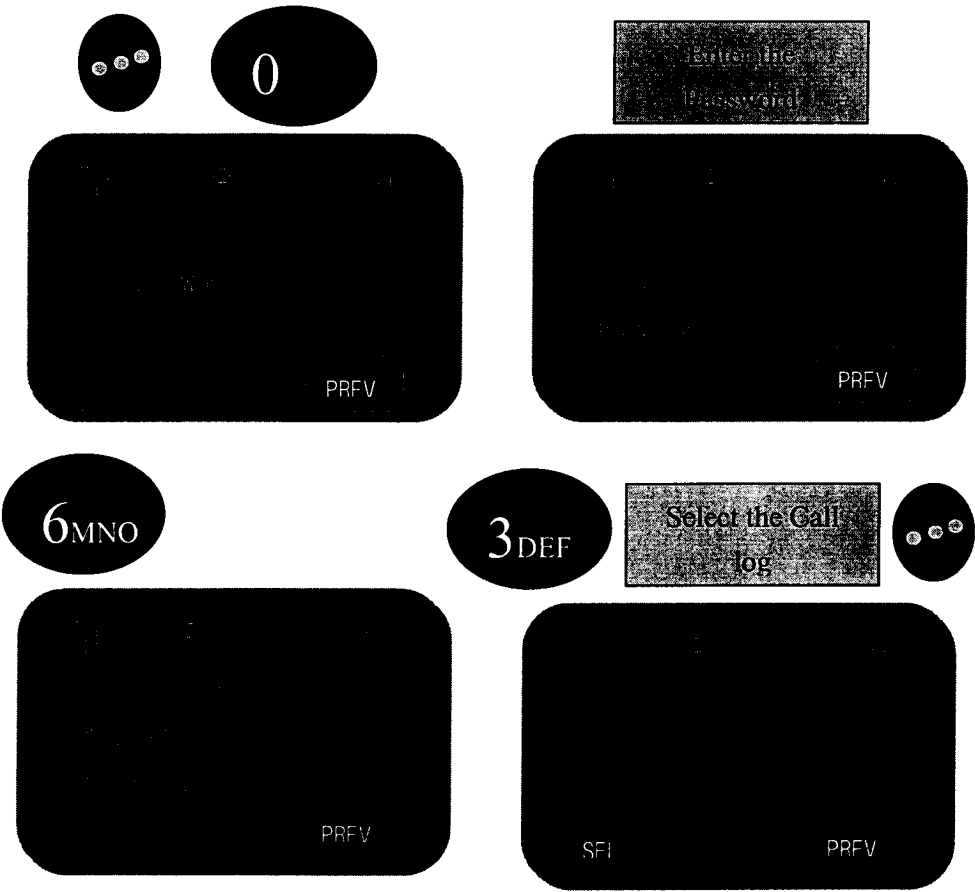
Yes: clears all the schedules.

No: does not clear the schedules.

*Memory Erase*

**Clearing call history**

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



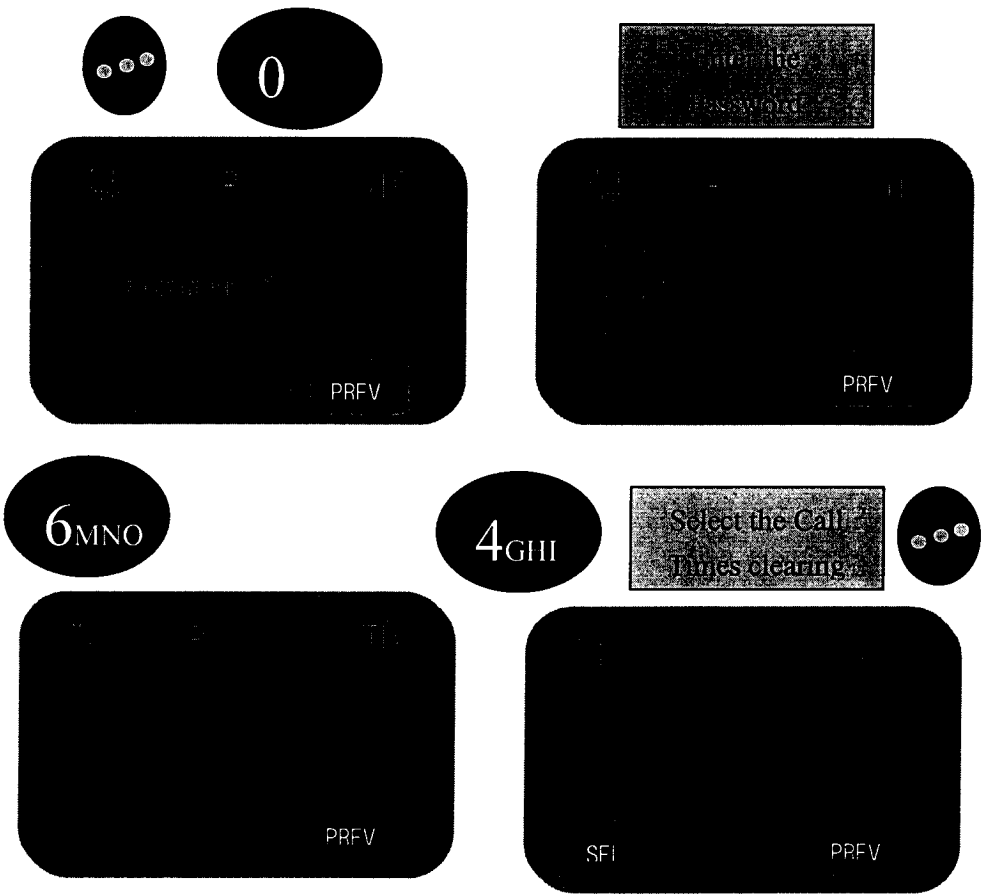
Yes: clears all the entries.

No: does not clear them.

*Memory Erase*

**Clearing call time**

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

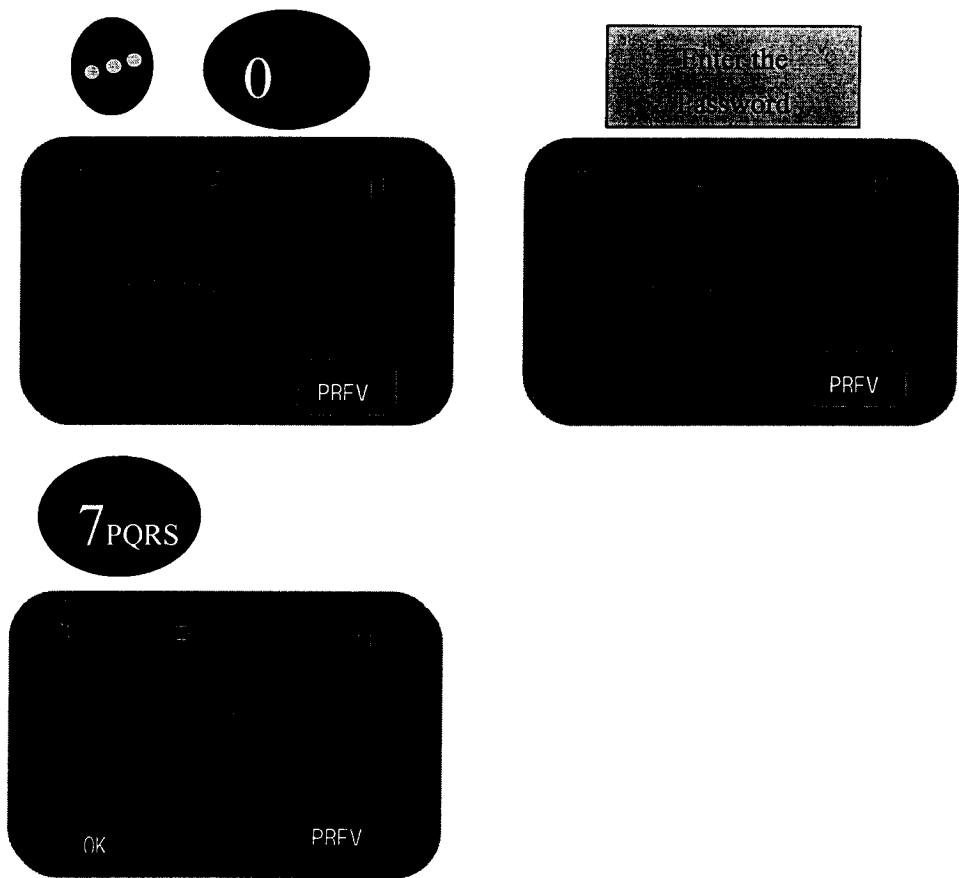


Yes: clears call time.

No: does not clear call time.

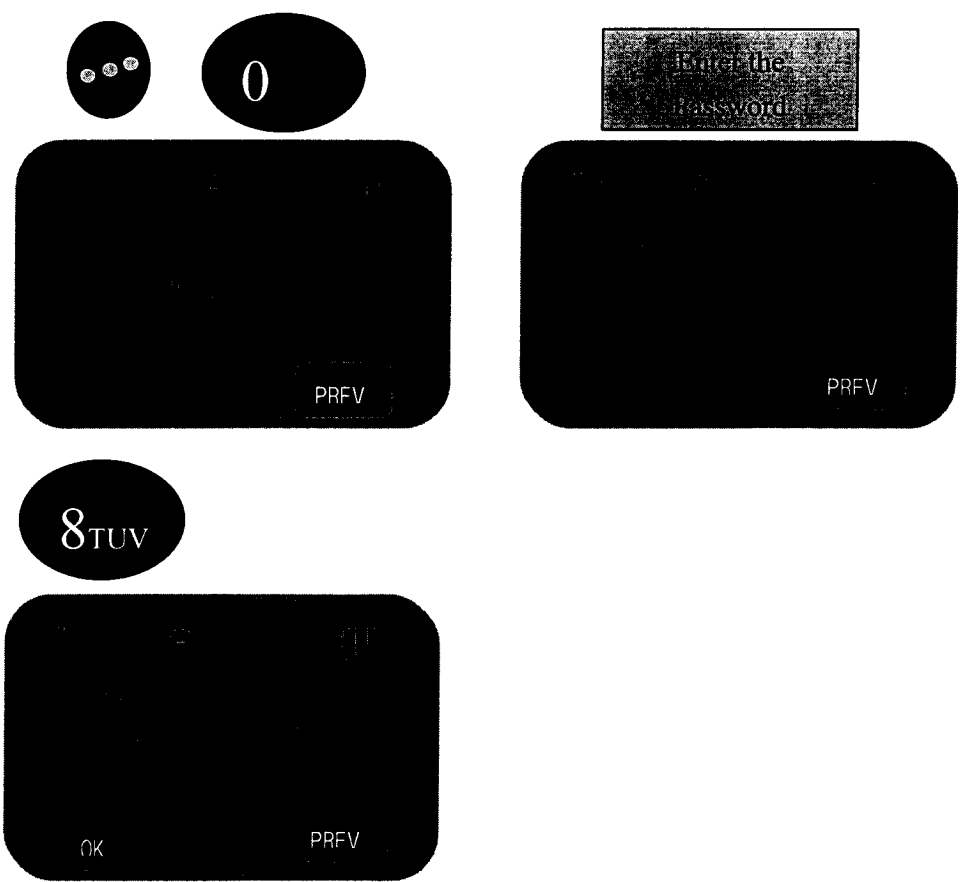
**Phone Confirmation**

This feature allows you to confirm the phone number that you are using.



*Version Confirmation*

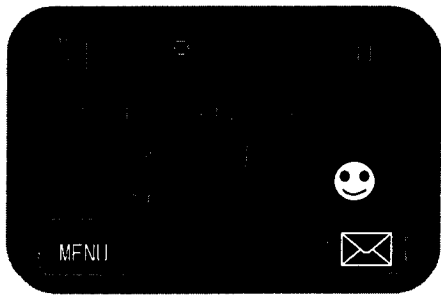
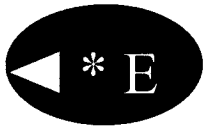
This feature allows you to confirm the version of the phone that you are using.



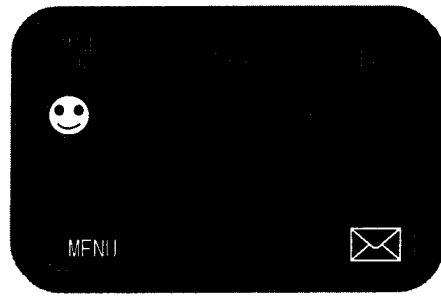
*Etiquette Function*

A useful function to use in public places such as library or theater.

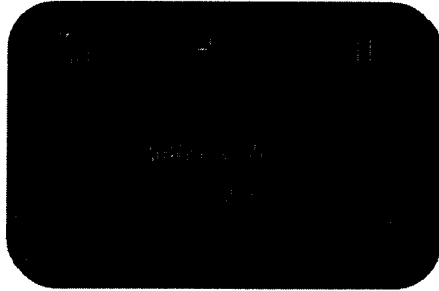
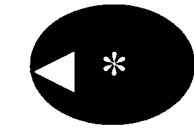
**Setting the etiquette function**



(Stand by mode)



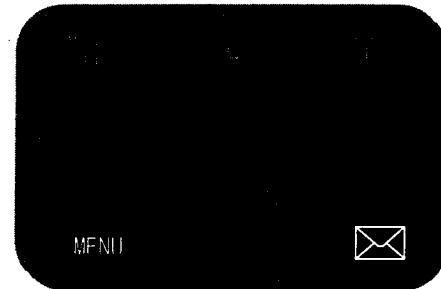
(During a call)

***Etiquette Function*****Canceling the etiquette function**

Return to the condition before  
the etiquette function is set.



(Stand by mode)



(During a call)

- When the etiquette function is set, all the ringing tone, DTM tone, and call connection alert is converted into silent alert and into vibration mode no matter which mode is used.

When the power of the phone is off, the etiquette function is canceled and the phone returns to the initial setting.

## **Chapter 8**

### **Appendix**

1. Additional Supplies
2. When you think something is wrong
3. Standards and Characteristics of the Product
4. Product Warrant

***Additional Supplies***

The additional supplies can be put on market somewhat late.

**Portable Hands Free Kit**

This is a portable hands free kit that can be used in car.

**Data Link Kit**

This is used to conduct data communications by linking to a PC.

**Cigar Charger**

This is a portable charger that can be used in a car by inserting into a cigar jack.

**Ear Radio Phone**

This is an ear radio phone with which you can listen to radio too.

*When you think something is wrong*

| When                                                                                                               | Do this                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| There is nothing displayed on LCD                                                                                  | Power on the phone again                                                                                                                                                                                                                    |
|  icon appears on LCD              | <ul style="list-style-type: none"> <li>You are not in a service area. Move to a service area and then make a call.</li> </ul>                                                                                                               |
| The “call failed” sound rings                                                                                      | <ul style="list-style-type: none"> <li>There is no channel available or communication with the base is not made.</li> <li>Press [Send] button after pressing [End] to have automatic redialing.</li> </ul>                                  |
| “Lock code” appears on LCD when the phone is turned on and cannot make a call                                      | <ul style="list-style-type: none"> <li>Use the phone after canceling the lock code.</li> <li>Refer to page 75 to cancel the lock code.</li> </ul>                                                                                           |
| The operating time of battery is different from what is explained in the manual                                    | <ul style="list-style-type: none"> <li>The battery’s operating time shortens as time goes by.</li> <li>It may vary is the battery is left in too high or low temperature.</li> </ul>                                                        |
| The phone is not turned on though there is enough battery left                                                     | <ul style="list-style-type: none"> <li>Remove the battery, insert it again and turn the phone on.</li> <li>Clean the connection part between battery and phone.</li> </ul>                                                                  |
| The phone is turned off during a call or warning sound rings along with the message, “battery power is not enough” | <ul style="list-style-type: none"> <li>It indicates that you need to charge the battery. Charge the battery.</li> </ul>                                                                                                                     |
| The red lamp blinks while charging                                                                                 | <ul style="list-style-type: none"> <li>Remove the battery from the charger and insert it again.</li> <li>Make sure the connection part of the battery is clean.</li> <li>Make inquiry to the service center, when nothing works.</li> </ul> |
| The voice over the phone rings during a call                                                                       | <ul style="list-style-type: none"> <li>This is the case that the ringing control at the base is not set correctly. Adjust the volume level or move to another area.</li> </ul>                                                              |
| A malfunction is found or the phone is not turned on                                                               | <ul style="list-style-type: none"> <li>Remove the battery, connect it again and turn the phone on.</li> </ul>                                                                                                                               |

***Product Standards and Characteristics***

|                     |                                            |
|---------------------|--------------------------------------------|
| Frequency band      | Outgoing: 824~849MHz                       |
|                     | Incoming: 869~894MHz                       |
| Frequency precision | ± 300Hz                                    |
| Appearance          | 87x48x22 (When inserting standard battery) |
| Weight              | 89g (When inserting standard battery)      |
| Outgoing power      | 0.32W                                      |
| Working temperature | -20°C~ +50°C                               |
| Relative humidity   | 5%~95%                                     |

**Illegal Handling of ESN Prohibited**

Removing, or changing ESN (electronic serial number) that the company gives to the products or copying other number is an illegal act that can be punished as jail term up to three years or fine up to 10 million won pursuant to the related laws such as Article 4 of the Current Law, Article 57 of the Telecommunications Law and Article 347 of the Criminal Law). That kind of illegal attempt may harm the software of the phone, making the phone unusable.

Please make sure that you will not get any harm from the illegal act and the confirmation of any illegal act will deprive the customer of any service benefits.

**Precautions to Customer**

- Do not frequently lend the phone to others.
- Ask for AS service at the designated AS service centers.
- Report to the related communication service company as soon as the phone is lost or stolen.

***Product Warrant***

Thanks for buying our Hyundai products. The product warrant period starts from the date that you purchase the phone. So make sure the date on the warrant form is filled in so that you can get the full service later.

- Details of Warrant

1. We provide free AS service when the phone is broken down in normal use within 1 year after purchase.

Battery warrant period: 6 months

2. In the following cases, we charge the technical fee and component cost.

- When the phone is broken down due to bad handling by the customer
- When the breakdown is caused by disasters (fire, earthquake, flood, lightening, etc)
- When the breakdown is caused by wrong power use
- When the breakdown is caused by connection equipment
- When the breakdown is caused by the repair or remodeling done by people other than Hyundai service center or other designated center's engineers.

3. The components of the phone for repair shall be available for five years.

# Standards for the compensation of customer

The compensation for the customer shall be made based on the Regulations for the Consumer Damage announced by the Ministry of Finance and Economy.

# Phone number of customer counseling center

1) Customer counseling:

2) Complaint filing:

|                  |         |                |
|------------------|---------|----------------|
| Product name     |         |                |
| Manufacturing no |         |                |
| Purchase date    |         |                |
| Customer         | Name    |                |
|                  | Address | (Phone number) |
| Agency           | Name    |                |
|                  | Address | (Phone number) |