CDMA Fixed Wireless Telephone
User Guide

Model: LSP-3000

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.

⚠ CAUTION

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 2.54 cm. from the body. To maintain compliance with FCC RF exposure requirements, maintain a 2.54 cm. separation distance between the user's body and the phone, including the antenna.

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

REVISED HISTORY

DATE	ISSUE	CONTENTS OF CHANGES	REMARK
2001/07/10	ISSUE1	Initial Release	

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Highlights

Congratulations on your purchase of the LSP-3000 Fixed Wireless Telephone. This telephone has been designed to operate on the latest digital mobile communications technology. This technology has greatly enhanced voice clarity and can provide various advanced features.

The telephone provides:

- 3-line LCD Display with status indicator
- A choice of 10 ring sounds
- A menu driven interface with prompts for easy operation
- Last Number Redial
- Speed Dialing with a 99-number memory
- Dial tone
- ROH (Receiver Off-Hook) tone
- Adjustable Ring Volume
- Internal Back-up Battery Pack
- AC Power Supply
- Dipole Antenna
- DB9 Data Port for service and repair
- Backlingt
- Speaker phone

1. Important Information

1.1 Safety Information

Warning

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Do not use this product near swimming pools or other bodies of water.

IMPORTANT

Before installing or operating this product read this information.

1.2 Optimal Phone Performance

- Do not operate your product when holding the antenna, or when someone is within four inches (ten centimeters) of the antenna. Holding the antenna affects call quality and may cause the telephone to operate at a higher power level than needed.
- For the best call quality, keep the antenna free from obstructions and point the antenna straight up.
- Do not use the unit with a damaged antenna. Have your antenna replaced by a qualified technician immediately. Use only a manufacturer-approved antenna. Non-approved antennas, modifications, or attachments could impair call quality, damage the phone.
- RF energy may affect improperly installed or inadequately shielded personal medical devices such as pace markers, hospital monitor. Consult the manufacturer of any personal medical devices to determine if they are adequately shielded from external RF energy. Turn your terminal OFF in health care facilities when any regulations posted in the areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.
- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna
  - Increase the distance between the radio or television and the telephone.
  - Connect the equipment into an outlet on a circuit different from that to which the terminal is connected.
  - Consult you Authorized LGIC Dealer of an experienced radio/TV technician for help.
- Use only the battery, antenna and AC power supply provided by LGIC. Using any other type will invalidate the warranty.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service any be dangerous and may invalidate the warranty.
- Do not use the unit in designated "no cellular phone use" area.
- Avoid exposure to high temperature or humidity.
- Avoid wetting the unit with any liquids. If the unit gets wet, turn the power off immediately and remove the backup battery and AC power supply. If the unit is inoperable, then return to the service agent for service.
- Avoid shock or impact.

- We recommend you to charge the backup battery before initial use. Backup battery may

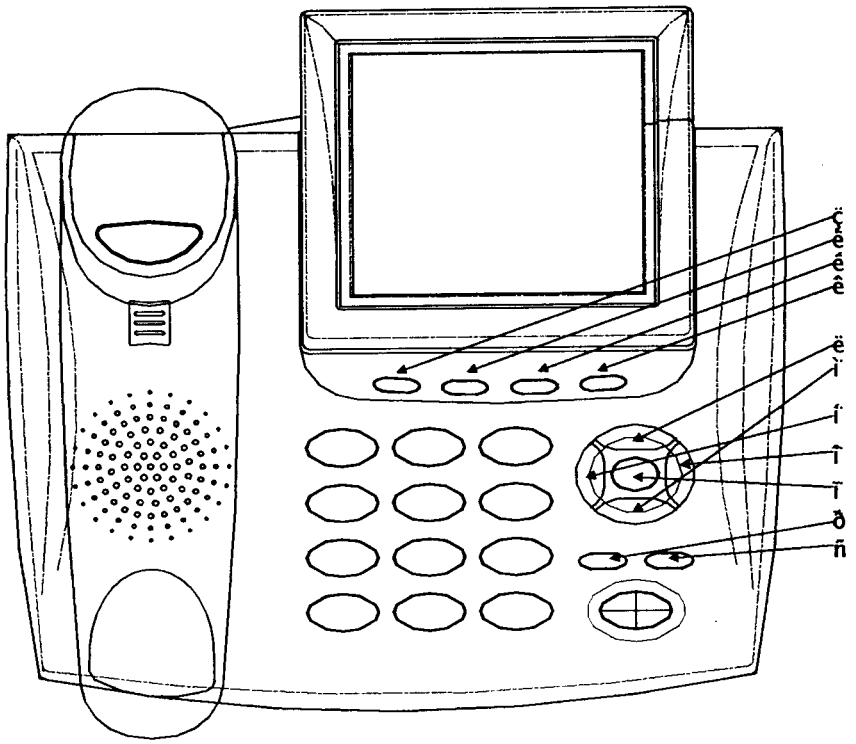
be discharged during delivery.

1.3 Care and Service

- Unplug the telephone from the wall outlet and remove antenna (or disconnect antenna cable) before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- If the unit fails for any reason, do not attempt to disassemble; contact the telephone service provider for assistance.
- If any of the following conditions exist; unplug the unit at the wall plug, remove battery, and call the service provider.
  - The power supply cord is damaged or frayed.
  - Liquid has been spilled into the unit.
  - The unit has been exposed to rain or water.
  - The unit has been dropped or damaged.
  - The unit does not work normally by following the operating instructions.

2. Introduction

2.1 Front View of the Telephone



. Menu / Softkey 1 : Activate MENU state (also MENU state in the call state)

. Message : Activate SMS state

. End : Deactivate a STATE – No store a value (also activate MUTE state)

. Recall / Softkey 2 : Activate RECALL state / Choose NEXT state

. Navigation Up (↑) : Shift to a upper state in the MENU state (also Function as a cursor in the EDIT state)

. Navigation Down(↓) : Shift to a lower state in the MENU state(also Function as a cursor th the EDIT state)

. Navigation Left (←): Volume.(also Function as a cursor th the EDIT state)

. Navigation Right (→): Volume.(also Function as a cursor th the EDIT state)

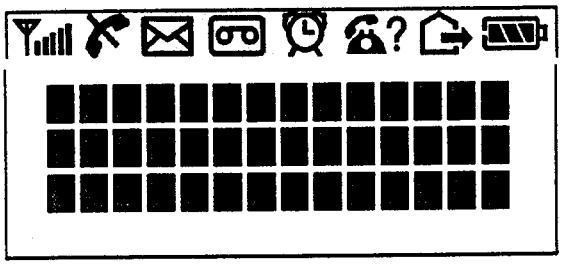
. Clear(Cancel) : Delete the last digit/dial number(also Exit without storing in the MENU state)

. Flash : flash function in the call state . Redial : Redial function

2.2 LCD Display

The LCD shows icons on the top of the LCD screen.

Different indicator appears based on the phone's operating mode.



1) RSSI indicator : Indicates the signal strength in the service area.

2) No service : The phone is not receiving system signal.
3) In use : Displayed when call is in progress or the phone is in off-hook and dial tone heard.

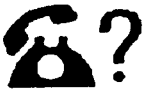
No service use

4) Text message : Displayed when a text message is received.

5) Voice message : Displayed when a voice message is received.

6) Alarm : Displayed when wake up alarm time was setting.

7) Caller ID : Displayed when caller ID is received.



8) OUT : Going out.

9) Battery charge level : Indicates charged battery level.

2.3 Installation

You should follow each step carefully as shown below in order to guarantee proper operation of CDMA Fixed Wireless Telephone.

STEP I. Check Components

- Fixed Wireless Terminal is supplied with the following standard unit and accessories;
  1. LSP-3000 Main Unit with Handset -1EA-
  2. Dipole Antenna -1EA-
  3. Backup Battery -1EA-
  4. User Guide -1EA-
  5. AC/DC Power Adapter -1EA-
  6. Power Cord(Only SMPS Adapter) -1EA-

- Please make sure that these components are present before you begin the unit installation. And then compare the following figures and components. If components are missing or damage is found, contact the store where you purchased the unit immediately.

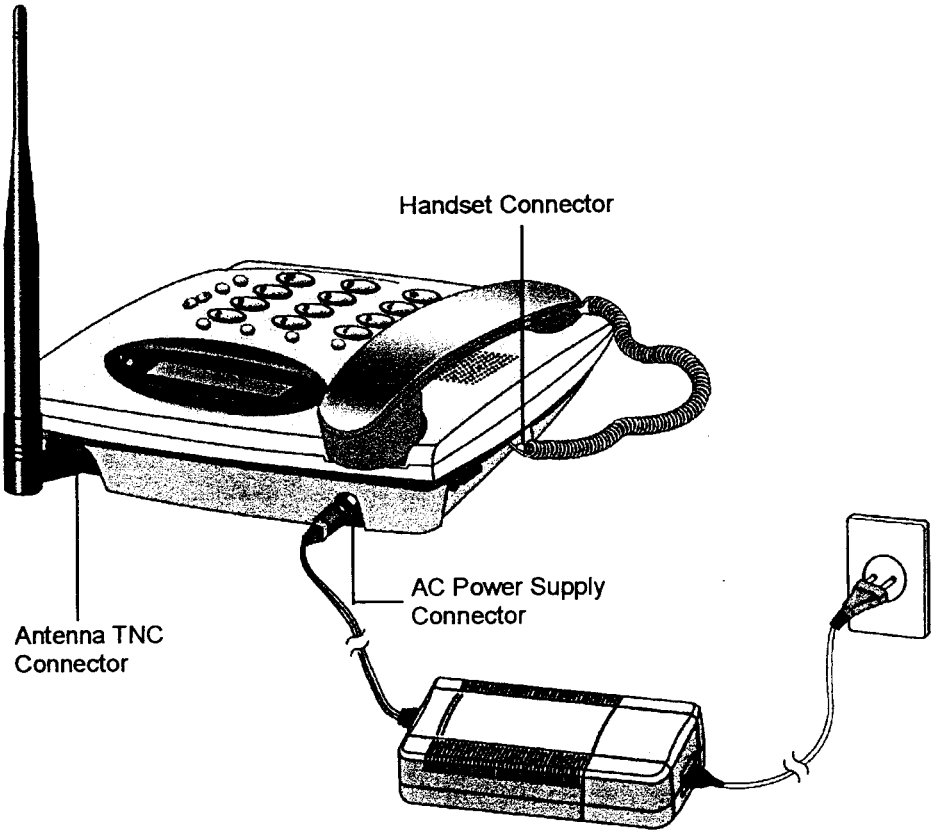
STEP II. Place the Terminal

- Place the terminal on the stable flat secure surface area (desk, table, etc.). Serious damage may result if the unit falls. Do not place the unit on, or within 1 meter of heaters or radiators. This unit is designed for desktop usage. Avoid direct exposure to the sun lights and damp area.
- Read the SAFETY INFORMATION located at the first part of this document before you place the terminal

STEP III. Connect Components (See the figures in "Installation Steps".)

- Connect the antenna to the TNC antenna connector located at the top side of the terminal. If you placed the terminal on the flat surface, bend the antenna up right.
- Connect curl cord of handset assembly to the RJ-11C port located at the left side of the terminal.
- Open the battery case, securely connect the battery cord, place the backup battery pack and close the case.
- Connect the AC/DC Adapter cable to the DC input port located at the topside of the terminal.
  -. If it is good, beep tone is heard.
  -. If it is not good(Booting is fail or beep tone is not heard), you have to connect the adapter or backup battery, again.

- Please follow the below to get better voice quality;
  1. Keep away from electrical appliances such as TV, computer, radio and so on.
  2. Keep terminal in a high and central location with no obstructions, such as metal walls.
  3. Raise the integral antenna of terminal to get maximum strength of receive signal as shown figure at the next page.



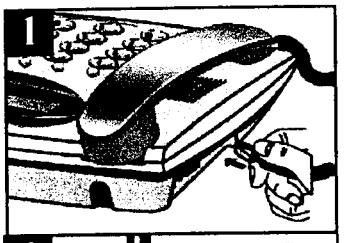
STEP IV. Check the LCD Display

- After you follow the installation instruction ***step I*** to ***step III***, please check the LCD for normal operation.
- If you may not see status of service, please repeat the 5th instruction of ***step III***. And conform Fixed Wireless Telephone to get the proper signal strength from service operator system.

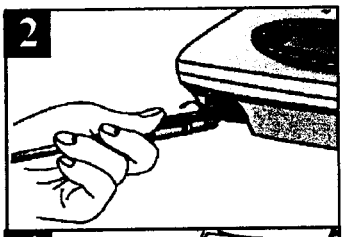
□ ***The adapter type(with power cord) may be different by country adaptation.***

2.4 Installation Steps

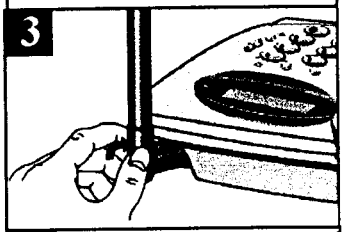
Please follow the below procedure to install the unit properly.



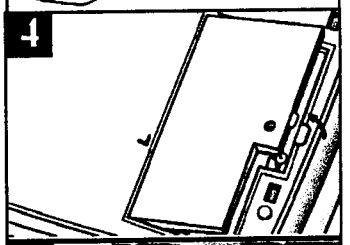
Connect Base-handset to the handset connector.



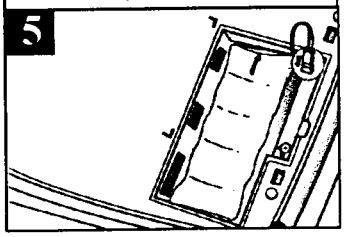
Connect the antenna to the TNC connector (Turn right).



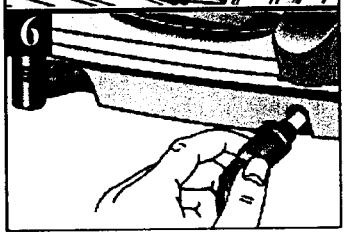
Bend the antenna up right.



Open the battery cover at the bottom of the unit.



Insert back-up battery in the bottom of the unit. (give care to polarity)

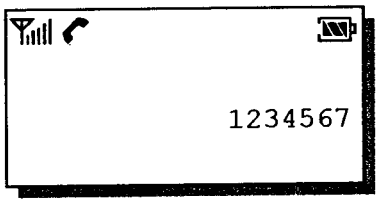


Connect the AC power supply.

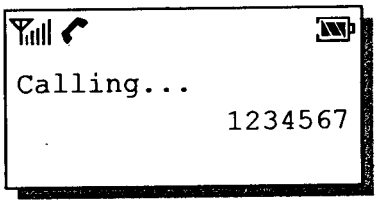
Basic Operation

3.1 Making a Call

1. Pick up the handset or press button.
2. Listen for dial tone
3. Enter the phone number with area code if needed.



4. Wait for the Auto Time-out.



5. The call is connected and you can start conversation.
6. To disconnect the call, replace the handset or press button.

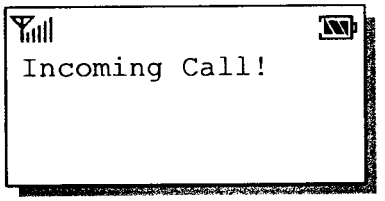
3.2 Redialing Last Outgoing Number

1. Pick up the handset or press button.
2. Listen for dial tone.
3. Press **Redial** button. The last number that you called will be re-dialed.

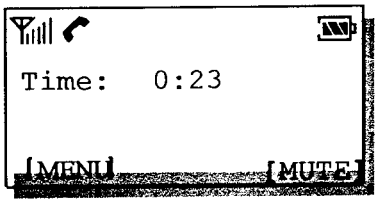
- **Correcting dialing mistakes**
  1. Press **Clear** button shortly to erase the most recent digit.
  2. Press and hold **Clear** button for at least one second.
- If the phone is locked, enter the Lock Code
- If the call did not go through, press the hook switch and dial again.
- **Flashing / Hook Switch**
  1. While in the middle of a call, pressing the hook switch for less than 1 second will be treated as a flash. After 1 second, the call will be terminated.
  2. Very briefly pressing the hook switch will be ignored.
- Battery icon is displayed only when the terminal is operating by battery without AC power.

3.3 Receiving a Call

1. When bell rings, pick up the handset.
2. Start conversation.

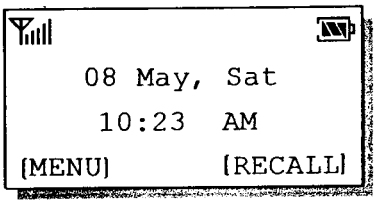


3. To disconnect the call, replace the handset.



3.4 Signal Strength

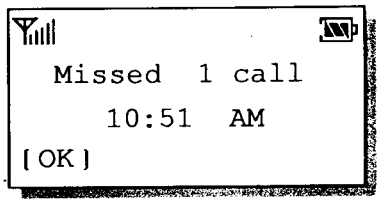
The quality of calls depends on the signal strength in your area. The stronger the signal, the better the call quality. The signal strength icon indicates the current strength as a number of bars. You can see the antenna and bars according to the strength of received signal in the upper-left part.



3.5 Missed Call Message

If a call is received and not answered for user's absence, You are informed that you have missed a call. The latest missed call time and number of missed call is displayed.

Press **[OK]** to erase "Missed call" message.



List of Menu State

Main Menu	Sub-Menu	Setting Value	Default
1. Select Volume	1. Ring Volume	4 steps	
	2. Key Volume	4 steps +silent	
	3. Ear Volume	4 steps	
	4. Ring Select -	10 types	
2. Additional	1. Wake-up time	Off/Once/Always	
	2 .Minute alert	Enable/Disable	
	3.Rx call mode	Voice / Fax for next / Always Fax / Modem for next / Always modem	
	4.SIO baud rate	19200/38400/57600/115200 /230400	
	5.Own Number	Display own number	
3. Dialing features	1. Hot Line	Off/On	
	2. Hot Line Time	2-9 Sec.	
	3. Auto time-out	2-9 Sec.	
	4. Speed Dialing	Enable/Disable	
	5. Key tone length	normal/Long	
4. Security	1. Set Lock mode	Never/on power up/Always	
	2. Clear calls	Enable/Disable	
	3. Clear memory	No/Yes	
	4. Emergency call	Local(3.ea)	
	5. Restrict call		
	5.1 restrict set	No restriction/restriction /emergency only	
	5.2 permit memory	Local(10.ea)	
	5.3 Deny memory	Local(10.ea)	
	6. new code	Create new lock code	

4.1 Select Volume

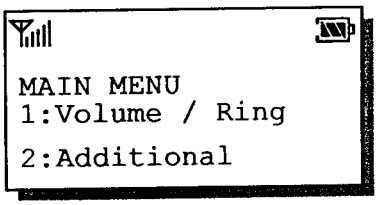
This menu allows you to adjust the various different volumes.

4.1.1 Ring Volume

The received tone when you receive a call can be adjusted.

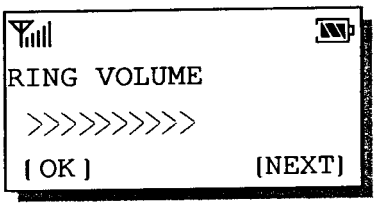
- From the MENU

1. Press **[MENU]** + **1**(Volume/Ring)+ **1**(Ring Volume) in on-hook state.
2. Press **Volume** button or **[NEXT]** to adjust ring volume.
3. Press **[OK]**



- By the **Volume** button

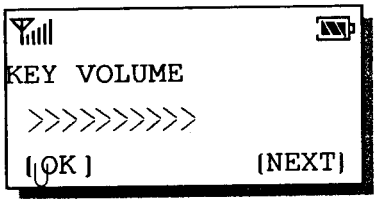
1. Press **Volume** button to adjust ring volume in on-hook state



4.1.2 Key Volume

The tone when you press a key can be adjusted.

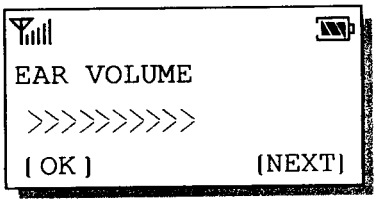
1. Press **[MENU]** + **1**(Volume/Ring) + **2**(Key Volume) in on-hook state.
2. Press **Volume** button or **[NEXT]** to adjust key volume.
3. Press **[OK]**



4.1.3 Ear Volume

The voice of the other party can be adjusted in on-hook state.

1. Press **[MENU]** + **1**(Volume/Ring) + **3**(Ear Volume) in on-hook state.
2. Press **Volume** button or **[NEXT]** to adjust ear piece volume
3. Press **[OK]**

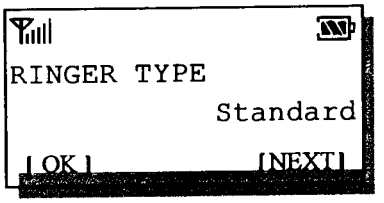


✓ Press **Volume** button to adjust volume during conversation

4.1.4 Ring Select

You can select the various ring types

1. Press **[MENU]** + **1**(Volume/Ring) + **4**(Ring Type) in on-hook state.



2. Select a desired ring type with **Volume** button or **[NEXT]**.

   ✓ There are 10 different ring types.

   ✓ Those are Standard,Option 1,Option 2, Option 3, Option 4, Habanera, Deutsch song, La Primavera, Oh! susanna, Beethoven

3. Press **[OK]** to save and exit.

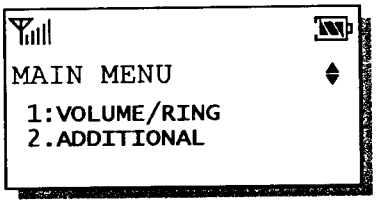
4.2 Additional feature

4.2.1 Wake-up Time

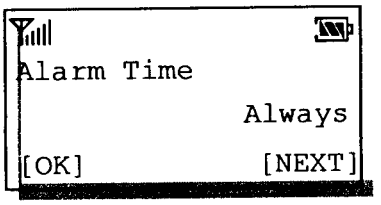
This function allows you to adjust Wake-up Time.

1.Press **[MENU]** + **2**(ADDITIONAL) + **1**(Wake-up Time)

In on – hook State



2.Select **Off**, **Once** or **Always** by **[NEXT]** and press **[OK]**.

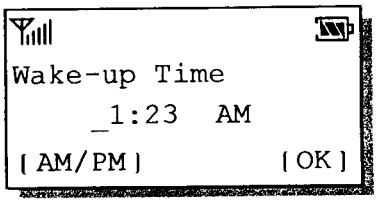


3.Press **[EDIT]** and set the time.

4.Select A.M. or P.M. by **[AM/PM]**.

5.If you want to modify the wrong time, press **Clear** button and set again.

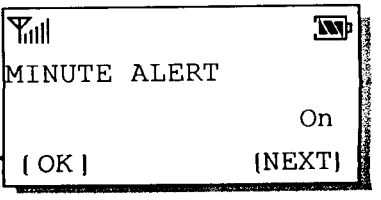
6.Press **[OK]** to save and exit



4.2.2 Minute Alert

Alerts you every minute during a call.

1. Press **[MENU]** + **2**(ADDITIONAL) + **2**(Minute Alert)

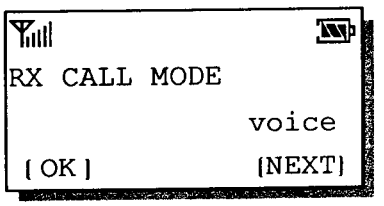


In on – hook State

2. Select **On** or **Off** by **[NEXT]** or **Volume** button.
3. Press **[OK]** to save and exit

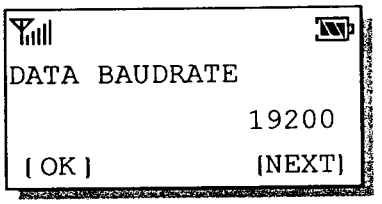
4.2.3 Rx call mode

1. Press **[MENU]** + **2**(ADDITIONAL) + **3**(RX Call Mode) in on – hook State.
2. Select **Voice, Fax for next, Always Fax, Modem for next** by **Volume** or **[NEXT]** button.
3. Press **[OK]** to save and exit.



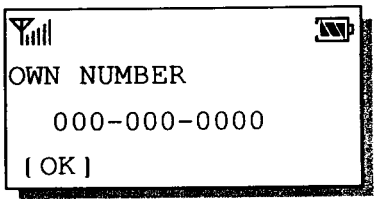
4.2.4 SIO baud rate

1. Press **[MENU]** + **2**(ADDITIONALI) + **4**(SIO Baud Rate) in on – hook State.
2. Select **19200, 38400, 57600, 115200, 230400** by **Volume** or **[NEXT]** button
3. Press **[OK]** to save and exit



4.2.5 own number

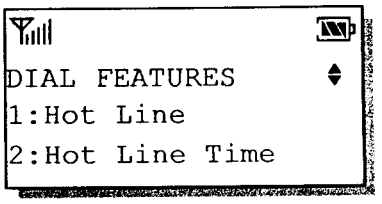
1. Press **[MENU]** + **2**(ADDITIONAL) + **5**(Own Number) in on – hook Sate.
2. Press **[OK]** to exit

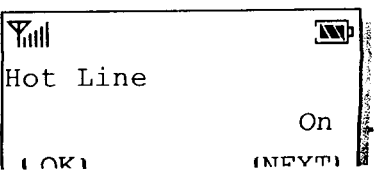


4.3 Dial features

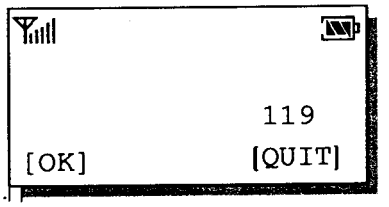
4.3.1 Hot Line

1. Press **[MENU]** + **3** (DIAL FEATURES) + **1**(Hot Line) In on – hook State.
2. Select **On** or **Off** by **[NEXT]** or **Volume** button and press **[OK]** to select.





3. Press **[EDIT]** to input Hot Line phone number.



4. Enter the Hot Line phone number
5. Press **[OK]** to save and exit.

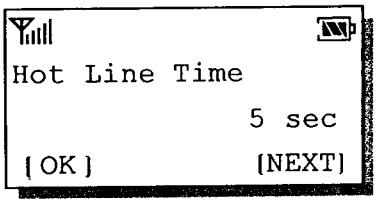
4.3.2 Hot Line Time

1. Press **[MENU]** + **3** (DIAL FEATURES) + **2**(Hot Line time)

   In on – hook Sate.

2. Select hot line connection time(2~9 sec.) by **[NEXT]** or **Volume** button.

3. Press **[OK]** to select.



4.3.3 Auto Time-out

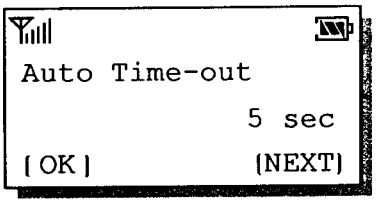
Setting the length of time the phone waits before automatically dialing a number. You can select this time between 2 and 9 second.

1. Press **[MENU]** + **3**(DIAL FEATURES) + **3**(Auto Timeout)

   In on – hook State.

2. Select Auto time-out second between 2 and 9 by **[NEXT]** or **Volume** button.

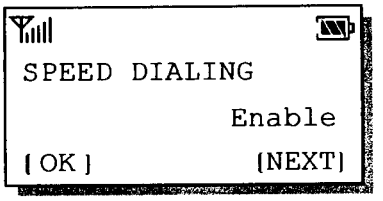
3. Press **[OK]** to select.



4.3.4 Speed Dial (enable / disable)

1. Press **[MENU]** + **3** (DIAL FEATURES) + **4**(Speed Dialing) in on – hook State.

2. Select **Enable** or **Disable** by **[NEXT]** or **Volume** button and press **[OK]** to save and exit.



This function can be used when the Speed Dial is set to Yes.

- Speed Dial Function

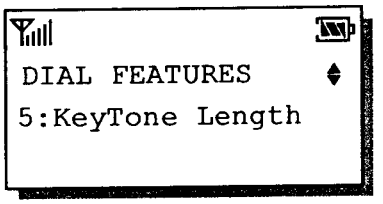
1. You can store phone numbers in memory locations (1~99) and place a call.

2. Press the memory number (1 through 99) corresponding to the appropriate memory location, and hold for a few seconds.

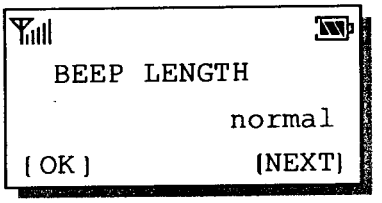
4.3.5 Key-tone Length

Setting key beep playback length. Possible settings are **Normal** and **Long**.

1. Press **[MENU]** + **3**(DIAL FEATURES) + **5**(Keytone Length) in on – hook State.



2. Select **Normal** or **Long** by **[NEXT]** or **Volume** button and press **[OK]** to select.

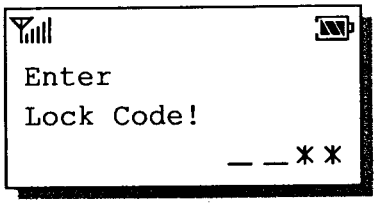


4.4 secruity

4.4.1 Lock Mode Set

This function prevents your phone from being used without permission. Typical default value is 0000. Possible settings are **Never**, **On power up** and **Always**. The **Never** means that the phone is not locked. **On power up** locks the phone when the phone is turned on. **Always** sets the phone locked immediately.

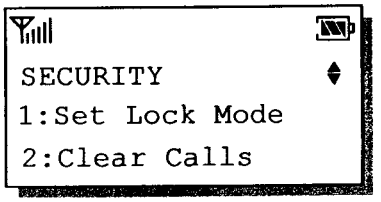
1. Press **[MENU]** + **4** (SECURITY)



2. Enter your own 4 digit lock code

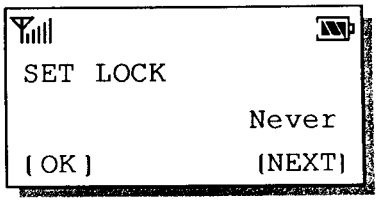
✓ When this product comes out, the default is 0000.

3. Press **1**(Set Lock Mode)



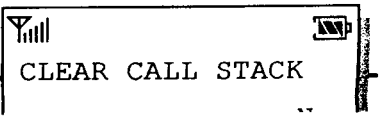
4. Select **Off**, **On power up** or **Always** by **[NEXT]** or **Volume** button.

5. Press **[OK]** to save and exit.



4.4.2 Clear Calls

When a previous outgoing or incoming call history is stored in a memory location, you can erase the all call history.

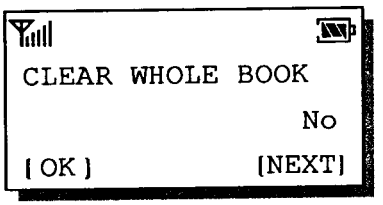


1. Do the above 1 and 2 steps of 4.4.1.
2. Press **2**(Clear Calls)
3. Press **[YES]** to erase all call history

4.4.3 Clear Memory

When you want to delete phonebook memory, you can erase all phonebook memory.

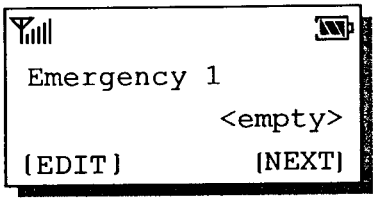
1. Do the above step1 and 2 of 4.4.1.
2. Press **3**(Clear Memory).
3. Press **[YES]** to erase all phone memory.



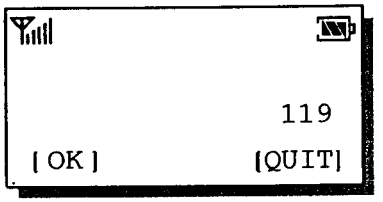
4.4.4 Emergency Call

Even if your phone is locked you can make calls to 3 emergency numbers.

1. Do the above step1 and 2 of 4.4.1.
2. Press **4**(Emergency Call)
3. Press **[NEXT]** or **Volume** button to choose the number from 1 to 3
4. Press **[EDIT]**.



5. Enter the emergency phone number
6. Press **[OK]** to save the number
7. Press **[NEXT]** or **Volume** button to edit others or Press **End** button to exit emergency call process



4.4.5 Restriction Call Service

This function is a convenient feature which enables user to restrict using any phone number.
To forbid using any phone number, user must set the number in deny edit.
Can't use any phone number(max 32digits) started with the number saved in deny edit.
If user set the phone number in permit edit, can use any phone number (max 32digits) started with the number even if the phone number is set in deny edit.

Ex) example to restrict using the phone number started with "700" .
1. set "Restriction" in Restrict set menu (function 4.4.6.1)
2. set "700" in deny edit. (function 4.4.6.3)
3. set "700-1234" in permit edit.(function 4.4.6.2)

Result : user can use the phone number started with "700-1234".

4.4.5.1 Restrict set

No restriction

This is a general function which has no any restrictions

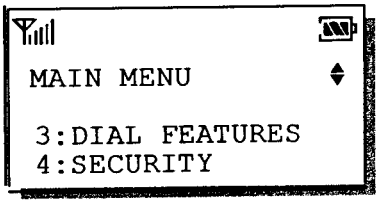
Restriction

This is a function that you can set permited phone number and denied phone number.

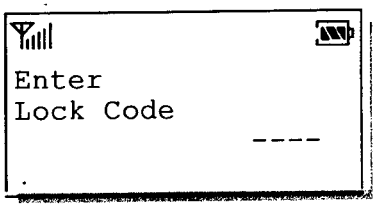
Emergency only

This is a function which enable you to call only emergency numbers.

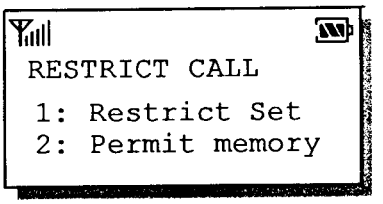
1. Press **[MENU]** and **4**(SECURITY) .



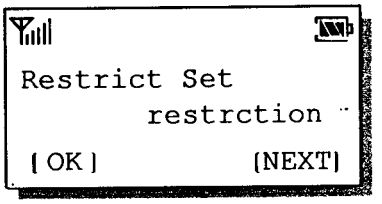
2. Enter a lock code using key pad.



3. Press **5**(Restrict Call) and **1**(Restrict Set).



4. Select "No Restriction" ," Restriction" or "Emergency only " using **[NEXT] or Volume** button and press **[OK]**



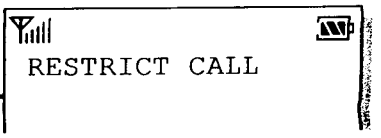
♦ Below 4.4.5.2 and 4.4.5.3 function can be used when the Restrict set is set to "Restriction".

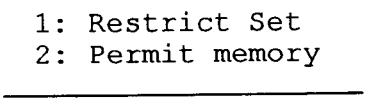
4.4.5.2 Permit memory

You can call it if the phone numbers saved in permit edit though they were saved in deny edit. You can save 10 permit phone numbers.

1. Do the above step 1~2 of 4.4.1

5. Press **5**(Restrict Call) and **2**(Permit Memory).

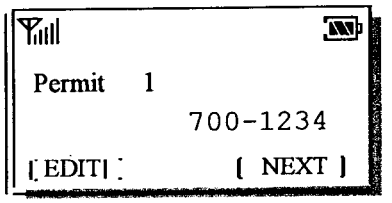




3.Press **[EDIT]** to edit permit phone number.

4.Enter the permit phone number

5.Press **[OK]** to save and exit

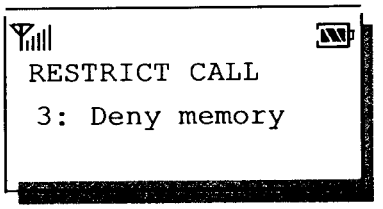


4.4.5.3 Deny memory

You couldn't call any phone numbers saved in deny edit.
You can save 10 deny phone numbers.

1. Do the above step 1~2 of 4.4.1

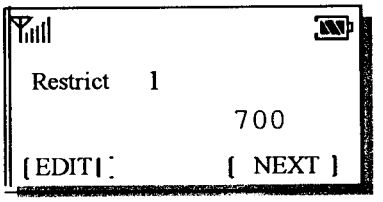
2. Press **5**(Restrict Call) and **3**(Deny Memory).



2. Press **[EDIT]** to edit deny number.

4.Enter the deny phone number

5.Press **[OK]** to save and exit



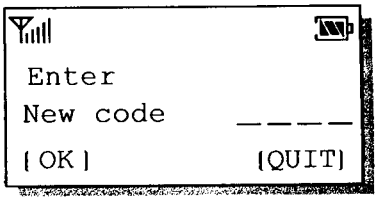
4.4.6 New Lock Code

You can change a new lock code(4digits).

1. Do the above step1 and 2 of 4.4.1.

2. Press **6**.(New Code)

3. Enter new lock code and press **[OK]** to save.

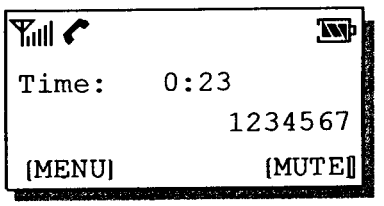


4. Enter new lock code again to confirm and press **[OK]** to save.

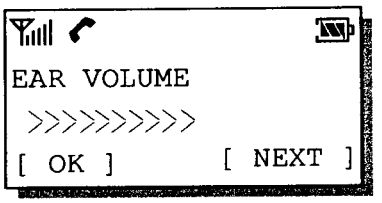
Functions while in a call

5.1 Ear Volume

You may adjust ear volume while you are in a call.



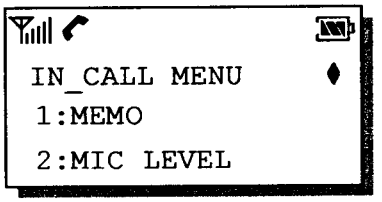
The **Volume** button on the right side of the phone can be used to adjust ear volume.



5.2 MIC Volume

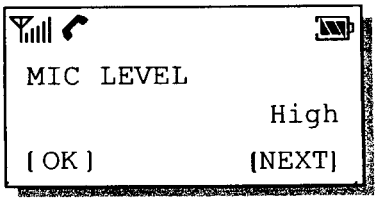
Adjusting MIC volume while in a call.

1. Press **[MENU]** and **2**(MIC LEVEL) while in a call.



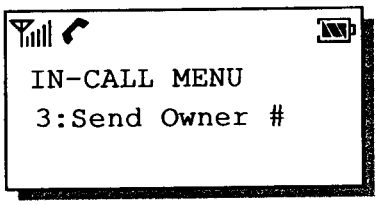
2. Select **Low** or **High** by **[NEXT]** or **Volume** button.

3. Press **[OK]** to save and exit.



5.3 Transmitting your own number

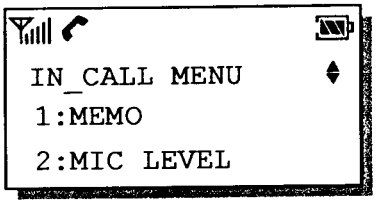
This function is a convenient feature which enables you to transmit your own phone number while in a call through press one key. (For example, Sending your phone number when you pages.)



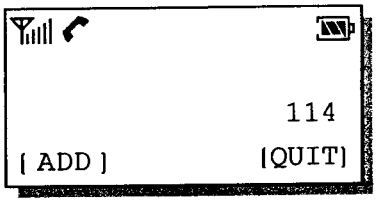
1. Press **[MENU]** and **3**(SEND OWNER #) button while in a call.
2. Press **[MENU]** and **3**(Send Owner #)

5.4 Memo

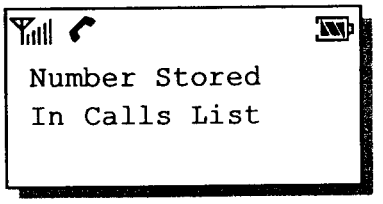
You can save numbers while in a call.



1. Press **[MENU]** and **1**(MEMO) while in a call.



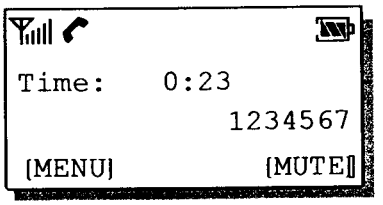
2. Enter a number using key pad.



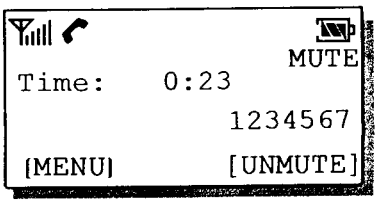
3. Press **[ADD]** to save and exit. Or press **[QUIT]** to exit.

5.6 Mute

This function prevents your voice from being transmitted but you can call still hear other side.



1. Press **[MUTE]** button while in a call.
2. You could see **"MUTE"** message blinking on the right side of the LCD

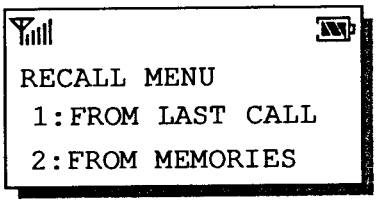


3. To release Mute, Press **[UNMUTE]** button.

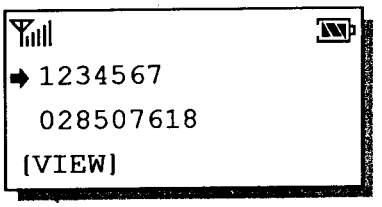
Searching, Editing & Dialing

6.1 Retrieving Last Call History

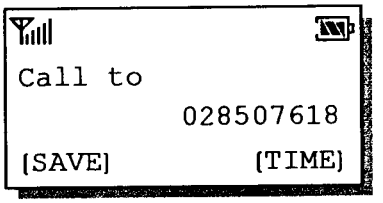
1. Press **[RECALL]** and 1(FROM LAST CALL)



2. Select a number or a name in the last call list by **Up** and **Down** button and press **[VIEW]**.

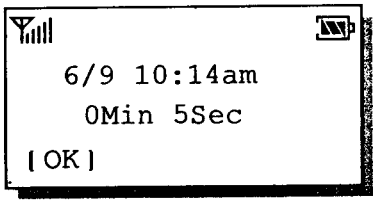


3. To see more information press **[TIME]** and press **[SAVE]** to save a number in the memory.



✓ Pick up the handset or Press button to make a call with the displayed number.

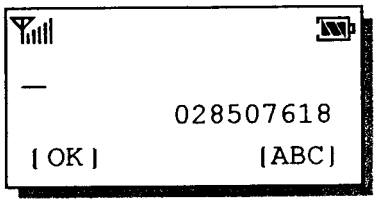
● By pressing **[TIME]**



✓ Press **[OK]** to exit

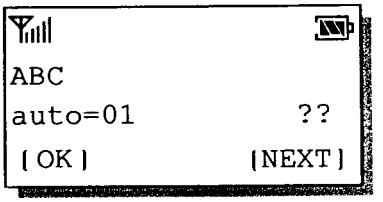
● To save a number

✓ Press **[SAVE]** in step3



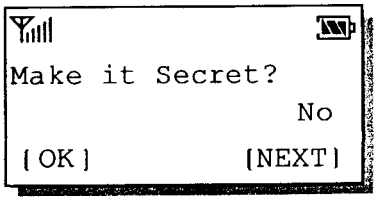
✓ Enter the name in text mode and press **[OK]** to save. Press **[ABC]** to change upper or lower case character.

- To store without name, just press **[OK]**.
- Refer to "To enter a character".



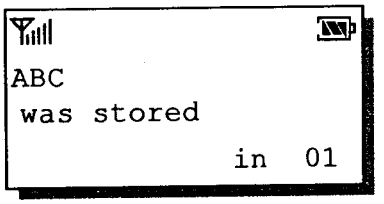
✓ Enter a desired memory location (01~99: 2 digits) or press **[NEXT]** to choose a desired memory location and press **[OK]**.

- The phone number is stored in the displayed memory location.

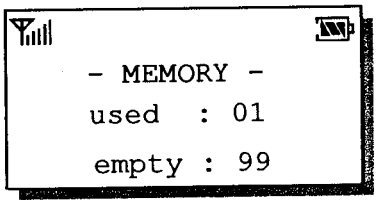


✓ The phone will display a message asking to keep your number as secret or not. Select "No" or "Yes" using **[NEXT]**. Then press **[OK]**.

- You can see a confirming message.

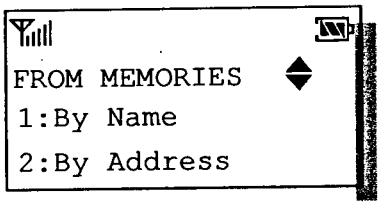


- Also you can see a condition of used memory.



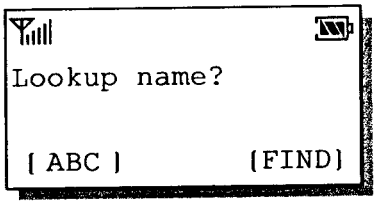
6.2.1 Retrieving Phone Number by Name

1. Press **[RECALL]** and **2**(FROM MEMORIES)
2. Press **1** button to retrieve phone number by name.

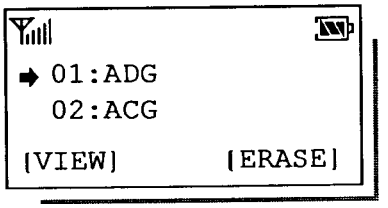


3. Enter the name that you want to look for and press **[FIND]**.

   ✓ At least two letters are recommended for quick search.

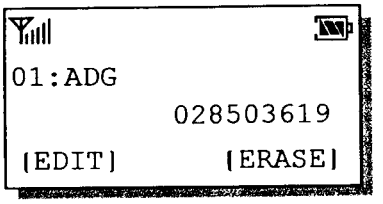


   ✓ Press **[NEXT]** or **UP** and **DOWN** button to scroll through the list of matches.



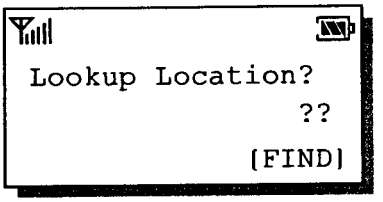
4. Press **[VIEW]** to see information in that location.

   ✓ Pick up handset to make a call.
   ✓ You can edit the phone number by pressing **[EDIT]** button.

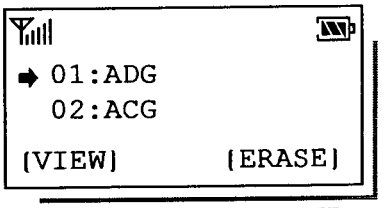


6.2.2 Retrieving Phone Number by Address

1. Press **[RECALL]** and 2(FROM MEMORIES)
2. Press 2 button to retrieve a phone number by address.
3. Enter a memory address to retrieve phone number.
   (ex: If you enter a memory address, 01.)



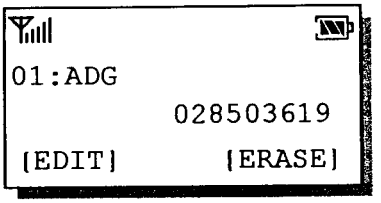
   - ✓ If there is no stored phone number in the memory location, "Empty Location" is displayed.
   - ✓ If you press **[FIND]** button without entering number, you see the whole phone number list in the memory Location and you can find the number by scrolling the list.



4. Pick up the handset or press button to call to displayed number, press **[EDIT]** to edit stored information or press **[ERASE]** to delete displayed information.

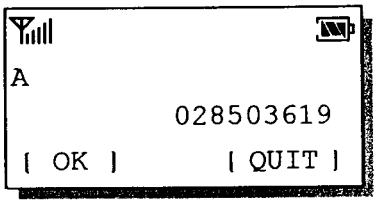
- Edit process

- ✓ Modify the phone number by **Clear** button and keypad. And Press **[OK]** to edit a related name.

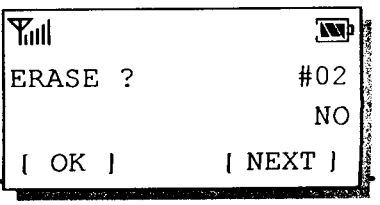


  1) Delete the phone number by **Clear** button.
  2) Enter the modified phone number.
  3) Press **[OK]**.
  4) To move cursor, use **Volume** button or *, #.
  5) Enter the name.
  6) Press **[OK]**.

- ✓ Enter a new memory address to store a new information or choose the new memory address by **[NEXT]** and press **[OK]**.



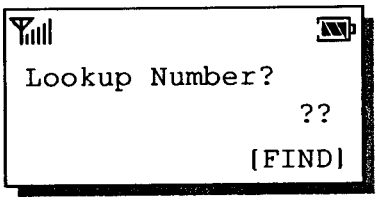
- ✓ Press **[OK]** to no secret.



- Erasing process

- ✓ You might press **[ERASE]** at the above step 3.
- ✓ Press **[OK]** to complete erasing process.

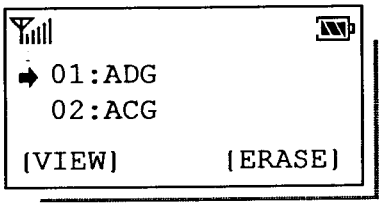
6.4 Retrieving Phone Number by NUMBER



1. Press [RECALL] and 2(FROM MEMEORIES).
2. Press 3 button to retrieve a phone number by number.
3. Enter the phone number that you want to find and press [FIND] button.

   - ✓ If there is no stored phone number in the memory location, "No number matches" is displayed.

4. Pick up the handset or press button to call to displayed number, press **[EDIT]** to edit stored information or press **[ERASE]** to delete displayed information.



- Edit process.
- Erasing process
  - ✓ Do the above step of 6.2.2.

SMS (Short Message Service)

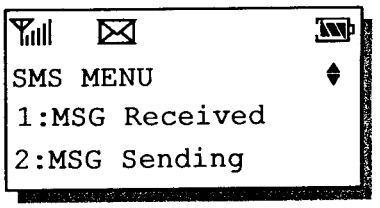
Messaging, Paging, and Voice mail features are available when your phone is turned on. Using **Message** button allows you to access messages for viewing on the LCD screen or to send a message. While viewing a message, you can call back to the number displayed in the message by picking up handset.

Check with your WLL service provider regarding the availability of this feature. The information in a message depends on the mode the WLL is operating in and the service's capabilities.

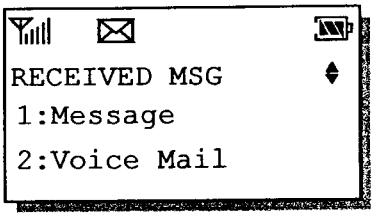
7.1 Checking & Deleting Received Message

7.1.1 Text Message

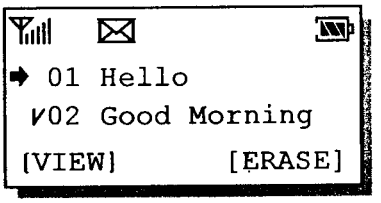
1. Press **MESSAGE** button and 1(MSG RECEIVED)



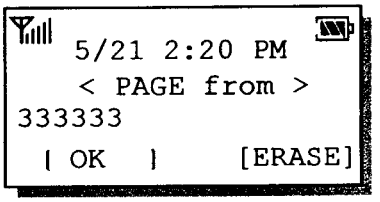
2. Press 1(Text MSG) to see a received text message list.
   - ✓ Locate ➡ to the desired message in the list.
   - ✓ Mark "v "means already a checked message.

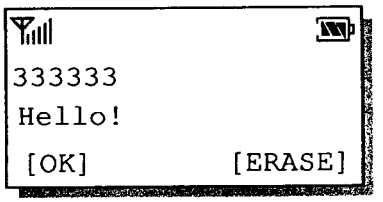


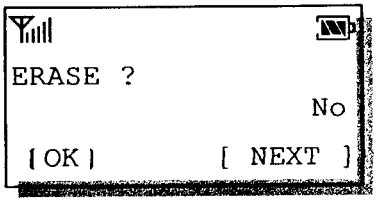
3. Press **[VIEW]** to see the content of desired message.
   - ✓ You can see the message with received time and caller's phone number.
   - ✓ You can read a I message.



4. Press **[ERASE]** to erase a message.
   - ✓ Press **[OK]** to complete erasing process.

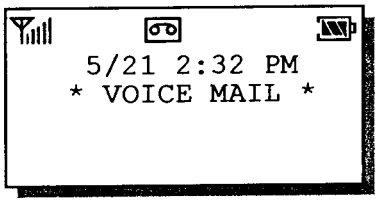




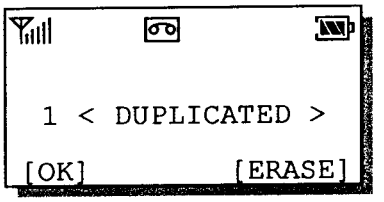


7.1.2 Voice Message

Voice mail notifications indicate the number of new voice mail message in your mail box. Only the most recent voice mail notification will be stored in the WLL phone; previous messages will be overwritten. When a voice mail messages left for you, the WLL phone will alert and display " * Voice Mail * ". You must call your voice mail service to retrieve these messages.

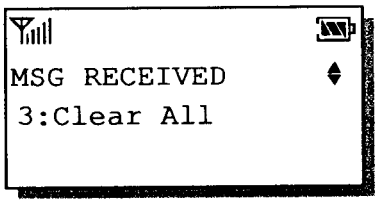


1. Press **MESSAGE** button and **1**(Received MSG) in idle state.
2. Press **2**(Voice MSG) to check the voice message.
   - ✓ If there is no voice message, "No Voice Mail was received" is displayed.
   - ✓ Press **[ERASE]** to delete the voice message.
3. Pick up the phone to make a call to call back your voice mail box if the number of the voice mail box is provided by system.

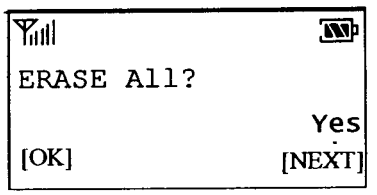


7.1.3 Erasing all Received Message

1. Press **MESSAGE** button and **1**(MSG RECEIVED).
2. Press **3**(Clear All).

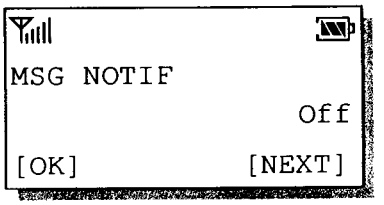


3. Press **[OK]** to delete.



7.2 MSG Notification tone select

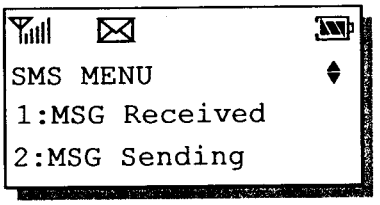
1. Press **Message** button and 3(MSG NOTIF).
2. Select **off, once, Every 2 Min** by pressing **[NEXT]** or Volume button.
3. Press **[OK]** to save and exit.



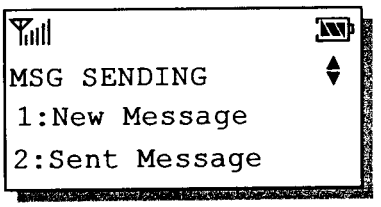
7.3 Message Sending

■ 7.3.1 Sending a New Message

1. Press **MESSAGE** button and **2**(MSG SENDING)

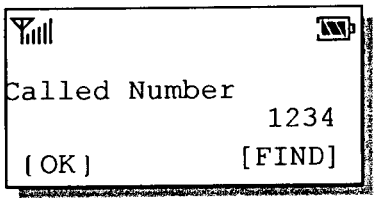


2. Press **1**(New Message) to send a new message

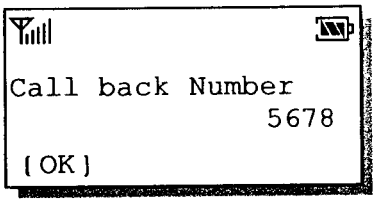


3. Enter the called number and press **[OK]**

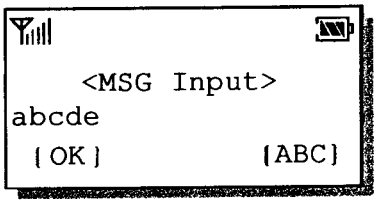
✓ You can find the called number in the memory by **[FIND]** button



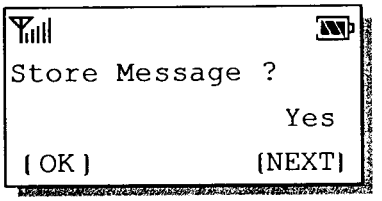
4. Enter the call back number and press **[OK]**



5. Input a message and press **[OK]** to send
   Press **[A BC]** to change upper or lower case character



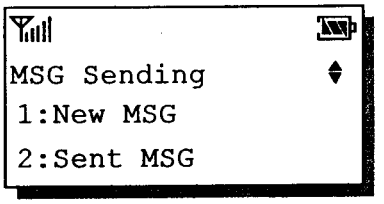
6. Select Yes/No to store the message. Press **[OK]** to send



■ 7.3.2 Sending the sent Message or message after editing the Sent Message

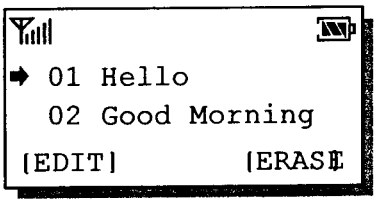
1. Press **MESSAGE** button and **2**(MSG SENDING)

2. Press 2(Sent Message) to see a received text message list.



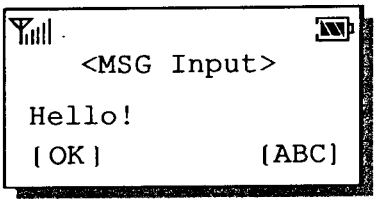
✓ Locate ➡ to the desired message in the list.

3. Press **[EDIT]** to edit the content of the selected message.



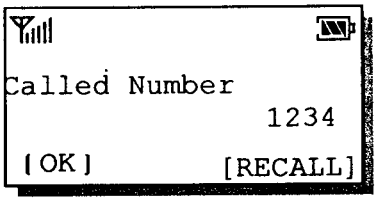
✓ You can see the selected sent message

✓ Edit the message. Press **[ABC]** to change upper or lower case character

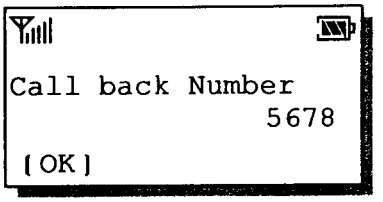


5. Press **[OK]** Button.

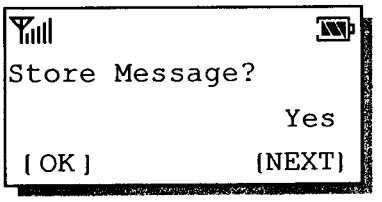
6. Enter the called Number and press **[OK]**



7. Enter the call back Number and press **[OK]**

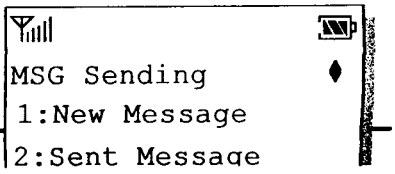


8. Select Yes/No to store Message. Press **[OK]** to send the MSG

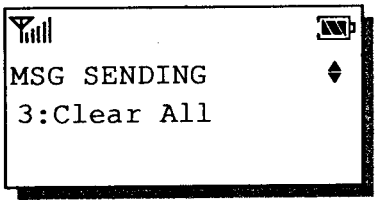


■ 7.3.3 Erasing a Sent Message

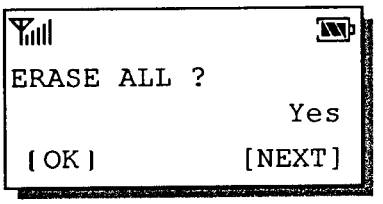
1. Press **MESSAGE** button and 2(MSG SENDING)



2. Press 3(Clear All) to clear text message list.



3. Press **[OK]** to erase a message.



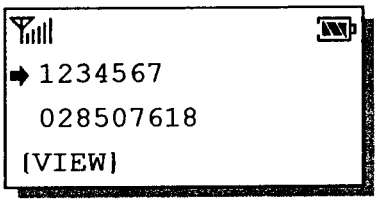
Beside Functions

8.1 Redial

Pick up the handset or press button and **Redial** button to redial last outgoing number.

8.2 Finding Last Call History

Press **Redial** button in on-hook state to see your last telephone numbers.



8.3 Flash

✓ The same as that of a single line phone

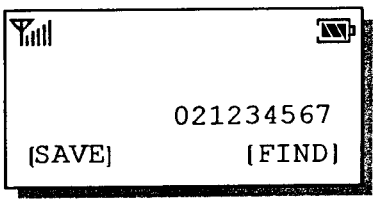
9. Storing Phone Number

9.1 Storing/Editing Phone Numbers

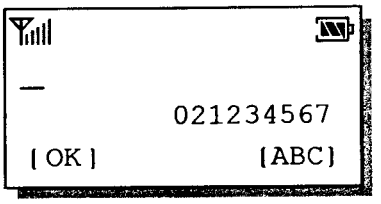
9.1.1 Storing Phone Numbers

Frequently used phone numbers can be stored on the memory locations (01~99: 2 digits) and you can make a call by pressing memory location number in off-hook state.

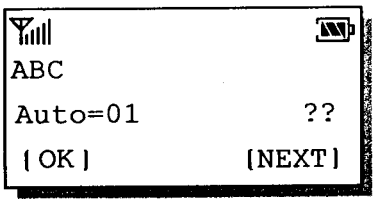
1. Enter the area code and phone number in on-hook state. (Max. 32 digits)
2. Press **[SAVE]**.



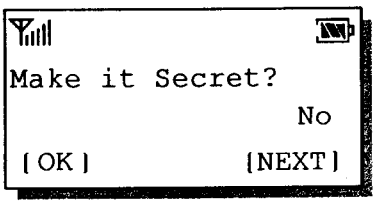
3. Enter the name in text mode and press **[OK]** to save. Press **[ABC]** to change upper or lower case characters.
   - ✓ To store without name, just press **[OK]**.
   - ✓ Refer to "To enter a character".



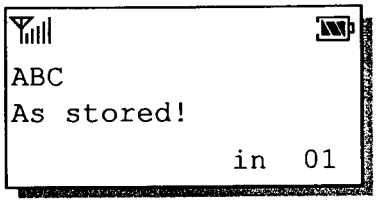
4. Enter the desired memory location.
   - ✓ The phone number is stored in the displayed memory location.



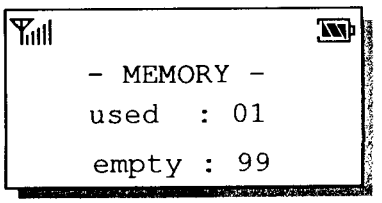
5. The phone will display a message asking to keep your number as secret or not. Select "No" or "Yes" using **[NEXT]**. Then Press **[OK]**.



   - ✓ You can see a confirming message.



   - ✓ Also you can see a condition of used memory.



- **To enter a character.**

You can enter English character in editing mode.
You can enter English character as default, and press **Message** to select specific character.

- **To enter English character.**

Press once a keypad to enter the first letter labeled in the keypad, twice to enter the second letter and 3 times to enter the third letter.

EX) To enter "L",
Press dial button **5** labeled "JKL" 3 times to enter "L".

- ✓ After 2 seconds entering a character, the cursor is moved to the next position automatically.
- ✓ Press **Volume** button to move the cursor.
- ✓ Press **Clear** button to erase or correct entered character.

- To enter specific character,

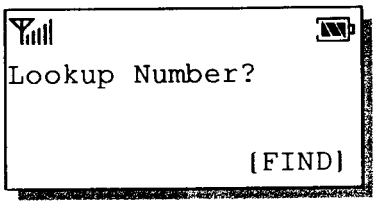
Press **Message** to view a desired character while you are entering names.

- ✓ Special characters includes *, #, %, ", :, +, <, >, =, and more
- ✓ Press the number next to the character you want insert.

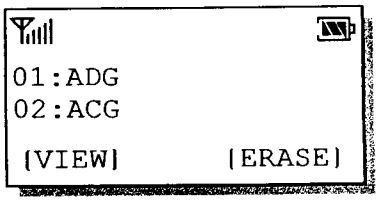
9.1.2 Erasing Stored Phone Numbers

When a phone number is stored in a memory location, you can erase the stored phone number.

1. Press **[RECALL]** + **2**(FROM MEMORIES) + **3**(By Number) and enter a number of the desired memory location to erase.



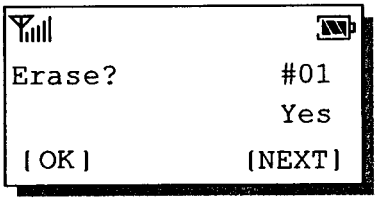
- ✓ If there is no stored phone number in the memory location, "Empty Location" is displayed.



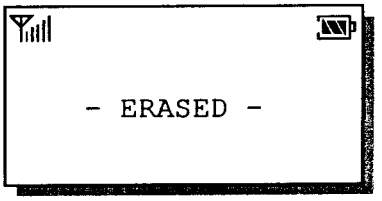
- ✓ If you do not remember the memory location to erase, press **[FIND]** to search phone number by memory location

2. Erasing process

✓ Press **[ERASE]** to delete.



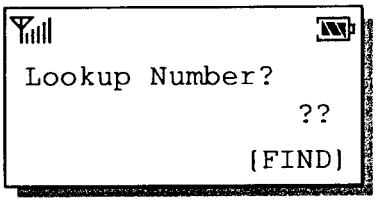
✓ Press **[OK]** to complete erasing process.



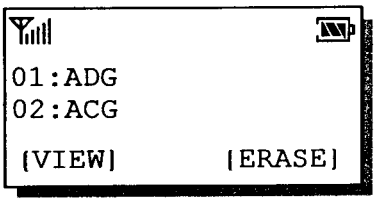
9.2 Finding Stored Phone Numbers

You can see all the list of stored phone numbers in memory list and if you forgot the memory location, can find it in sequence. And You can place a call with the phone number.

1. Press **[RECALL]** + **2**(FROM MEMEORIES) +**3**(By Number) in on-hook state.

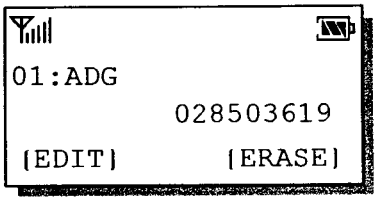


2. Press [FIND] button to find the desired phone number.
   - ✓ Locate ➡ in the desired name or address to find.
   - ✓ If not any entered name, phone number is displayed.



3. Press **[VIEW]** to see the stored number.

4. To make a call with the phone number in the state of step 2 or step 3, pick up the handset or press 🔊 button and wait for Auto Time-out.



10. Speaker phone

This function is a convenient feature which enables you to call using speaker phone button in on-hook state.

11. Backlight

,
(.... h/w ... .. .)

12. General Information

- **Main Unit**

Item	LSP-3000
Tx Frequency	Digital : 1850 ~ 1910 MHz
Rx Frequency	Digital : 1930 ~ 1990 MHz
Channel Bandwidth	1.25 MHz
Tx Power	Digital : Max. 0.2W
Rx Sensitivity	-104 ~ -25dBm
Size	160 X 215 X 76 (L X W X H)
Weight(g)	Below 809(with battery, Ni-MH)
	Below 748 (without battery)
Operating Temperature	0 ~ 50.

. **AC/DC Adapter**

Item	SMPS Type Description
Input Voltage	AC 100 ~ 250V / 0.3A, 15W
Input Frequency	50 / 60Hz
Output Voltage	9.6V(DC), 1A

- **Battery**

Item	Description
Capacity	6V Ni-MH 550mAh
Talk duration time	0.5 Hours
Standby duration time	6 Hours
Charging duration time	Trickle, 24 Hours

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U.S, Patent No. 4,901,307 U.S, Patent No. 5,056,109 U.S, Patent No. 5,099,204
U.S, Patent No. 5,101,501 U.S, Patent No. 5,103,459 U.S, Patent No. 5,107,225