



Wireless Local Loop  
**Fixed Wireless Terminal**

HWP-2100 & HWP-2200 User's Guide



***CURITEL***<sup>7</sup>



## 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.

This device was tested for typical operations with the antenna of the device kept 2.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, maintain a 2.5 cm. separation distance between the user's body and the device, including the antenna.

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

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## 1. Introduction

The WLL (Wireless Local Loop) terminal is designed to provide users with full range of communication services in CDMA (Code Division Multiple Access) networks. Before using the product, please read carefully this chapter.

### HWP -2100/2200 Main Features

- IS-2000 support (3G 1X)
  - Data rate: 144kbps (max)
  - Backward compatibility
  - New Soft Handoff Algorithm
  - Enhanced Hard Handoff
  - True IMSI (International Mobile Subscriber Identification)
- Main processor (Qualcomm MSM5000)
- IS-707 Data Capability
  - PC Fax Transmitting/Receiving
  - Modem Origination/Termination
- Speed Dial
- Emergency Call Hold
- Hot Line
- Alarm Reminder
- Battery Backup
- Line Signal Tone
  - Dial Tone
  - Warning Tone
  - Howler Tone
- Security (Lock, Restrict)
- OTASP (Over-the-Air-Service Provisioning)
- SMS (Short Message Service)
  - VMS (Voice Message Service)
  - Page Service
  - Message Service
- Vocoder Select
  - 8K QCELP (Qualcomm Code Excited Linear Prediction)
  - EVRC
  - 13K QCELP
- Call Waiting \*
- Call Forwarding\*
- Call Transfer \*
- Three-way Calling\*

\* : System dependant

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## HWP-2100/2200 Product features

- 4 line sub LCD.
- Simple Design feature

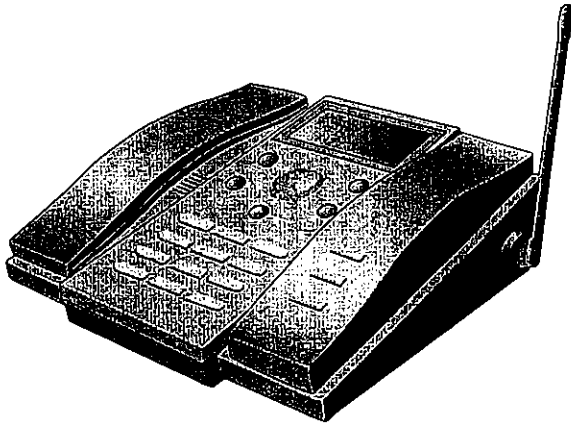
### 1.1 Notices for Using

- Do not disassemble or alter the WLL terminal on your own.
- Do not touch antenna during the call.
- Do not hold the WLL terminal in hot or moist places. Be careful not to moisten the terminal or to spill any liquid on it. This may cause irrevocable damage.
- Avoid terminal shocks and vibrations. Store the terminal in a safe place.
- Do not use the terminal near to explosives or in places where combustible liquids are used.
- Do not wipe the WLL terminal with a chemical solution like solvent or thinner.
- Switch off the WLL terminal and remove the SMPS (Switch Mode Power Supply) when you do not use the terminal for long.
- The backup battery can be operated after having being charged long enough (more than 30 hours). Otherwise it can discharge.
- The backup battery can be used only when the power is on.

### 1.2 Checking the Package

Thank you for buying our product. Please check whether the product package contains the following accessories:

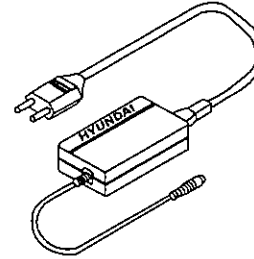
\* WLL Phone



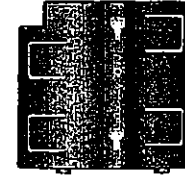
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## \*Accessories



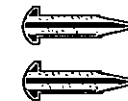
- Switch Mode Power Supply (SMPS) Unit -



- Wall Bracket -



- User's Manual -



- Screws -

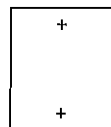
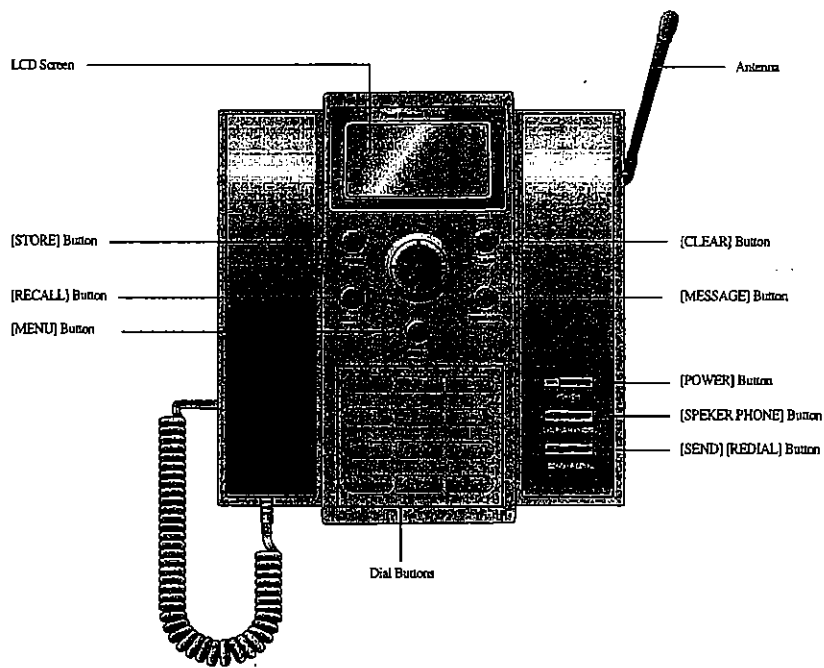
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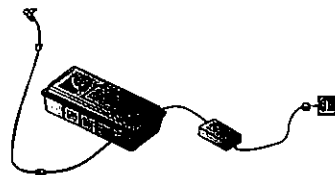
\*Optional Accessories

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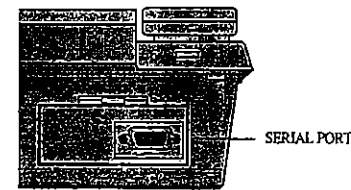
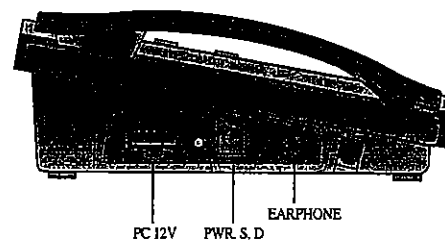
## 1.3 Name and Function of Each Part



- Mounting Plate -



- External Battery -



**CURITEL<sup>7</sup>****POWER LED**

LED will be turned on when external power source is supplied. (A plug-looking icon appears on the display if the external power is in use.)

**LCD Screen**

Displays information about the WLL terminal status (4 lines of 16 characters). Will be covered later in details.

**Hook Switch**

Turns call on and off. This switch starts and ends working with WLL terminal.

**DC Jack**

Connects power supply from the SMPS to the WLL terminal.

**Serial Port**

A port through which data services (Modem, PC Fax, Internet access) are available.

**Power Button**

The WLL terminal will be turned on or off as you press and hold the power button for 3 seconds or more.

**Speaker Phone Button**

Turns the speaker phone feature on or off with speaker phone button. With this feature on, you can speak into microphone.

**DIAL Buttons**

Input telephone numbers or numeric characters (0-9, \*, #), and choose menu items.

**[UP]/[DOWN]**

Retrieve stored telephone numbers, adjust beep volume and ringer loudness when the phone is ringing, move across menu items, and adjust handset loudness during the call.

**[RIGHT]/[LEFT]**

Retrieve stored telephone numbers, adjust beep volume and ringer loudness when the phone is ringing, move across menu items, and adjust handset loudness during the call.

**[MENU]**

Choose function menu.

**[STORE]**

Store the settings and check names and telephone numbers when telephone numbers are retrieved.

**[RECALL]**

Retrieve stored telephone numbers.

**[CLEAR]**

Edit the number, or move to the previous mode.

**[MESSAGE]**

SMS Message

**[SEND/REDIAL]**

Make call attempt in the off-hook state or make a call to the last dialed telephone number.

**Buttons**

[MESSAGE] Check voice mail and SMS.

**CURITEL<sup>7</sup>****1.4 ICON**

Various icons are displayed on the first line of the LCD screen to indicate the setting-status and operating-status of the phone.

**1.4.1 RSSI Icon**

Various icons are displayed on the first line of the LCD screen to indicate the setting-status and operating-status of the phone.

- Indicate the received signal strength and relates to the quality of service.
- There are 5 bars displayed in graduated lengths. Five bars displayed next to the Antenna Symbol indicate the best signal strength and quality of service.
- Where only 1-bar exists, a poor signal strength and/or service condition exists. If a condition exists displaying a flashing Antenna icon, the phone is capable of only marginally dependable phone operation, and the phone is in danger of being
- When there are no bars displayed on the screen, a call may not be placed or received and this condition indicates no signal is being received from the service provider in the user's area.

**1.4.2 Off-Hook Icon**

- Appears after Off hook, indicating the phone is processing a call

**1.4.3 Battery Icon**

- Indicates the strength of the installed, internal battery
- The battery strength is displayed in a range of 4-bars (strongest) to 0-bar (weakest).
- When the battery strength is weakening, the phone beeps to indicate a battery recharge is needed.

**1.4.4 Power Icon**

- Indicates the external battery.

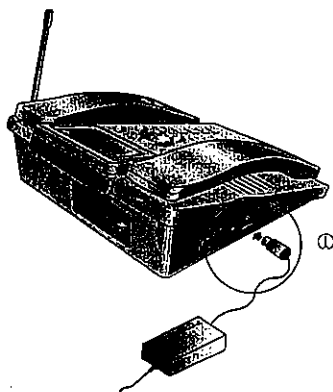


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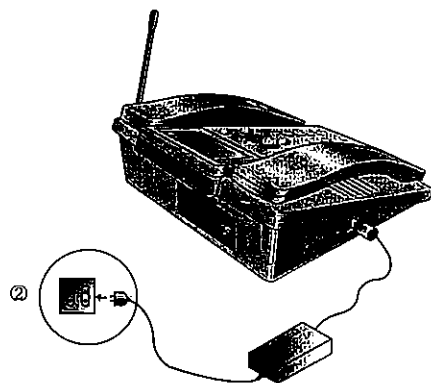
## 1.5 Installing WLL Terminal (INSTALLING ANTENNA)

### General Observations

1 Connect DC jack as shown below.



2 Connect the SMPS plug to the outlet.

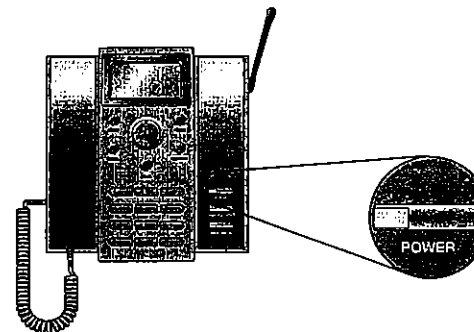


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3 Turn on the power switch as shown on the picture. The WLL terminal turns on and a beep sound is heard.



4 After initialization, the WLL terminal goes to the waiting mode.  
5 As long as the WLL terminal is in the waiting mode, adjust the antenna direction so that the RSSI value displayed on LCD screen is maximum.



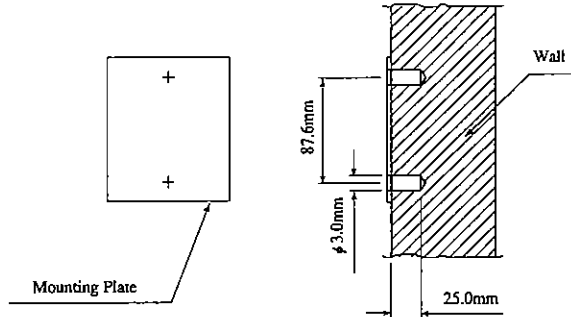
**Note** RSSI (Received Signal Strength Indicator) refers to the strength of received radio signal. The larger is the value, the better is the quality of speech (indicator values range from 1 to 5).

Power-on (Initial State)	Waiting Mode (On-hook)	Waiting Mode (Off-hook)

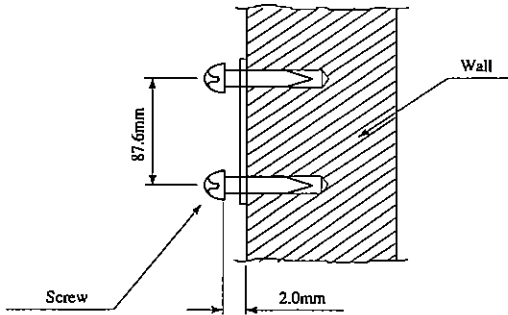
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## Wall Bracket Mounting

- 1 For the concrete wall, place the mounting plate where the WLL terminal should be installed, and drill two according to '+' marks.



- 2 Screw up as shown in the figure below.

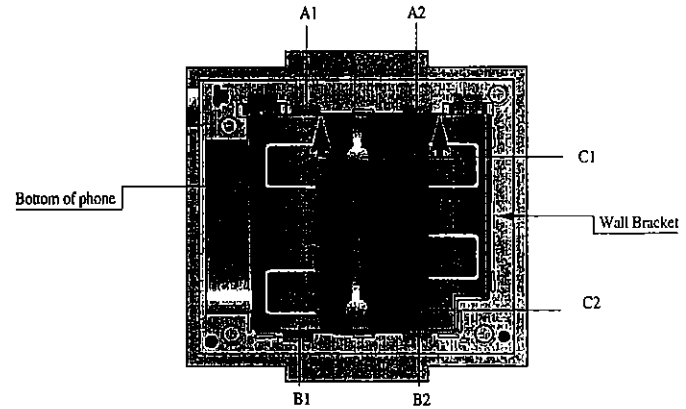


- For the wooden wall, screw up the plate directly to the wall.

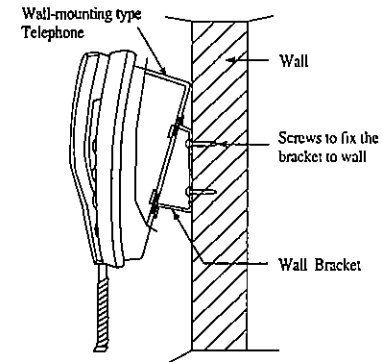
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The distance between the screw head and the wall is to be 2.0mm as shown on the figure above.

- 3 Insert the parts A1, A2 of the wall bracket into the WLL terminal body, and gently push in the parts B1, B2.



- 4 Insert screws into the C1, C2 notches, and pull the body downward. As this takes place, make sure about the distance between the screw head and the wall, lest the body hangs askew.

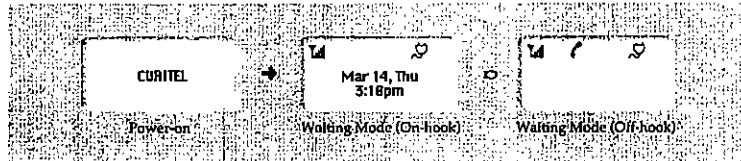


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## 1.6 LCD Display

The LCD display shows the terminal operating mode, RSSI (Received Signal Strength Indicator), battery state and telephone number. The LCD display has 4 lines of 16 characters.

### 1.6.1 Display for Power On

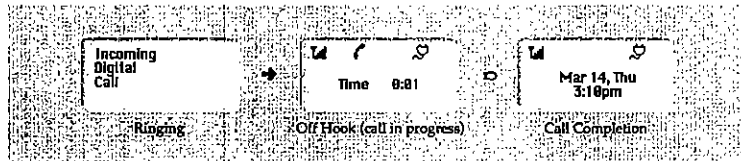


### 1.6.2 Display for Call Attempt



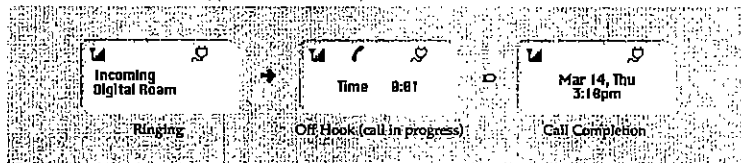
### 1.6.3 Display for Incoming Call

#### 1.6.3.1 Incoming Call From Land



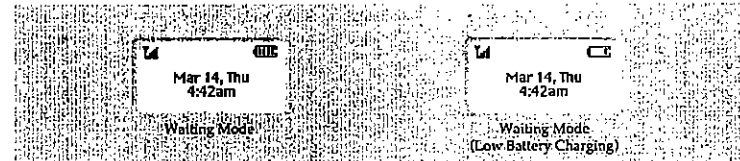
#### 1.6.3.2 Incoming Call From Mobile Subscriber

(If the call originates from mobile subscriber, the calling phone number can be displayed only if communication network supports the Caller ID.)



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### 1.6.4 Display for Battery Capacity (when the failure of main power supply occurs)



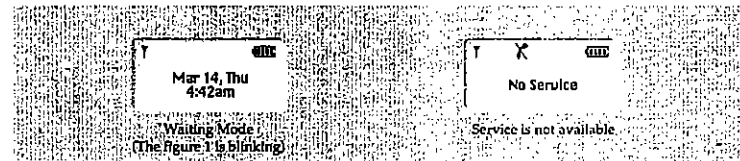
(The figure 1 blinks when battery charging goes below 7.8V.)

When the battery charging is low, three indicators prompt you concurrently. First, the battery level indicator displays 1 and starts blinking. Then the "Low battery warning!" message appears.

And finally, a beep signal rings. To ensure normal operation, you must provide external power immediately. Warning: Do not let the voltage fall under 7.4V.



### 1.6.5 Display for Weak RSSI (Received Signal Strength Indicator)



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## 1.7 Using Basic Functions 1.7.1 Display for Power On

### 1.7.1.1 In on-hook state

- Press [RECALL] button to choose the telephone number you want, and hook off the handset to make a call.
- Dial the telephone number when your handset is placed on-hook, and then pick up the handset to make a call. (Notice that, in the on-hook state, [SEND/REDIAL] button is ignored.)
- Speak on the telephone.
- Place the handset on-hook to terminate the call.

### 1.7.1.2 In off-hook state

- Pick up the handset. You will hear the dial tone. (In the "No Service" state however, the warning tone is heard at the interval of 0.5 second.)
- In the "No Service" state, you cannot make calls.
- Hold the handset and press [SEND/REDIAL] button. The call will be made to the last dialed number.
- Dial the telephone number and press [SEND/REDIAL] button to make a call.
- If you do not [SEND/REDIAL] button after dialing the number, the call will be made automatically 6 seconds later.
- Speak on the telephone.
- Place the handset on-hook to terminate the call.

**Note:** You can adjust the handset volume using [UP]/[DOWN] buttons during the call.

**Note:** In the off-hook state, all buttons except the [MENU] are available.

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**Note:** If you are trying to make a call in the "Outgoing Lock" state, the following message is displayed and the phone goes to the waiting mode.

### 1.7.1.3 Speaker Phone state

#### 1.7.1.3.1 In On-hook state

- Press the speaker phone button after inputting a phone number.

#### 1.7.1.3.2 In Off-hook state

- Press the speaker phone button after inputting a phone number, and you will hear a dial tone through speaker. You can use this feature even though the phone is put in on-hook state.

## 1.8 To receive an Incoming Call

### 1.8.1 In on-hook state

- Telephone rings and the CALL LED blinks. (If the ringer is set to SILENT, the LED blinks and the "Ringer off" message is displayed.)
- Pick up the handset.
- Speak on the telephone.
- Place the handset on-hook to terminate the call.

### 1.8.2 In off-hook state

- If a call comes when you dial the number, the telephone starts ringing and the "incoming call..." message is displayed.
- Press [SEND/REDIAL] button to accept the call
- Speak on the telephone.
- Place the handset on-hook to terminate the call.

In the off-hook state press [SEND/REDIAL] button.

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- Note**
1. The ringer has operation priority. Hence, if there is an incoming call when you work with [MENU] or [RECALL] in the on-hook state, the current operation is interrupted by the ringing signal.
  2. If the ringer comes into action in the off-hook state, you can press [SEND/REDIAL] button to speak on the telephone.
  3. During the call, you can adjust the handset volume using [UP]/[DOWN] buttons.

### 1.8.3 Speaker Phone state

- If a call comes when you dial the number, the telephone starts ringing and the "incoming call..." message is displayed.
- Press [SEND/REDIAL] button to accept the call.
- You can speak through speaker, but not receiver when you press [speaker phone] button to accept a call.
- Press [speaker phone] button again to end the call.

### 1.9 To Redial the Last Number (Redial Function)

- You can easily make a call to the last dialed telephone number.
  - ① Pick up the handset, press [SEND/REDIAL] button or speaker phone button, and press [SEND/REDIAL] button.
  - ② When the call is connected, you can speak on the telephone.
  - ③ Place the handset on-hook to terminate the call.

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## 2. Using Basic Functions

### 2.1 To Store Telephone Numbers

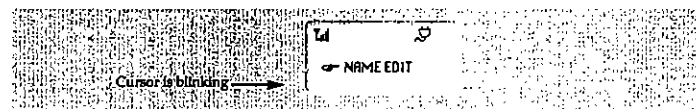
You can store up to 99 telephone numbers using 2-digit addresses from 01 to 99. To make a call to the stored telephone number, you have simply dial its address.

- ① In the waiting mode press the telephone number you want to store, and then press [STORE] button.



**Note**: To cancel storing telephone number, press and hold [CLEAR] button or click flash the hook.

- ② When 'NAME EDIT' is displayed on the LCD screen, type the name using dial buttons, and then press [STORE] button.



### How to type a character

Example: To type 'E':

- ① Select 'E' by pressing [GH4] dial button on which characters GHI are marked. Each time you press the dial button, the display changes as follows: G → H → I → 4.
- ② Press [DOWN] button to type next character. (The cursor moves automatically to the next

### How to modify characters

- ① To clear characters one-by-one, press [CLEAR] button. (Characters are cleared from the last backwards)
- ② To clear all characters, press and hold [CLEAR] button.
- ③ To move the cursor across the screen, press [DOWN] to move to the right or [UP] to move to the left.
- ④ Use dial button to continue inputting characters.



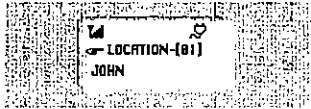
**Note**: If you do not want to supply the name, simply input the telephone number and press [STORE] button twice.



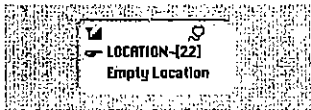
**Note**: To return to the waiting mode when typing characters, press and hold [CLEAR] button twice or flash the hook.

# CURITEL<sup>1</sup>

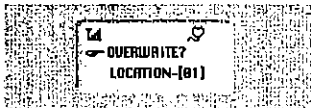
- When you input a telephone number, the next unassigned address is prompted automatically. To store the telephone number under the address, which is prompted on the LCD screen (e.g. Address 01), simply press [STORE] button.



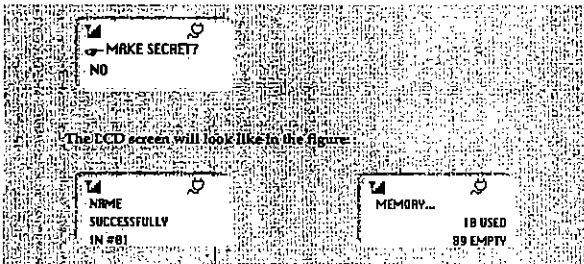
- If you want to store the number under another address, supply two address digits (01~99) (e.g.:11)



- If there is already a telephone number stored under the specified address, the "OVERWRITE" question is displayed.

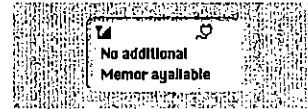


- Press [STORE] to replace the previously stored number with a new one.
- To keep the previously stored number, press [CLEAR] to return to the previous step, supply another address to store the number, and then press [STORE] again.
- If you want to make secret number, choose 'Yes' with [Up]/[Down] button.



**Note** If All Memory Cells are Occupied The "No additional memory available" message is displayed. You cannot store more telephone numbers because all 99 memory cells are occupied. (To store telephone numbers you can overwrite existing numbers or clear unnecessary numbers from memory.)

# CURITEL<sup>1</sup>



## 2.2 To Make a Phone Call to the Stored Telephone Number

### 2.2.1 Speed Dial

(Before you can use Speed Dialing, you must enable this option. To learn how this option is enabled, refer to 3.6.4)

#### ① 1-Digit Address

Using Speed Dialing you can quickly make a call to 9 telephone numbers stored under addresses 01 through 09:

- Press a digit from 1 to 9, and pick up the handset.
- Pick up the handset, press a digit from 1 to 9, and then press [SEND/REDIAL].
- Pick up the handset, press and hold a digit from 1 to 9.
- The telephone number will be displayed on the LCD screen and dialed automatically.



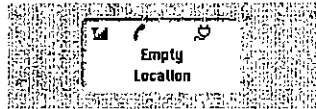
#### ② 2-Digit Address

You can to easily make a call to the telephone numbers stored under addresses from 10 to 99:

- Press 2 digits of the addresses (10~99), and pick up the handset.
- Pick up the handset, press 2 digits of the stored address (10~99), and then press [SEND/REDIAL].
- Pick up the handset, press the first digit of the stored address, and then press and hold the second digit.
  - For example, if you want to dial to the number stored under the address "16", press [1] and then press and hold [6].
- The telephone number will be displayed on the LCD screen and dialed automatically.

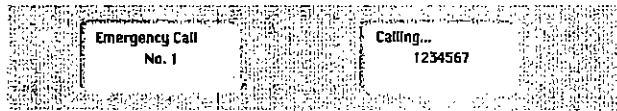


**Note:** If no telephone number is stored under the supplied address, the "Empty Location" message is displayed on the LCD screen.



**2.2.2 Emergency Dial**

- You can quickly make a one-touch call to emergency numbers stored under addresses 01~09 (you have also to enable emergency dialing). Once the call is originated, it is kept connected until the called party goes off-hook.
- To make an emergency call in the off-hook state, you can press and hold the last digit of the address, or press two address digits one after other, and press [SEND/REDIAL].
- In the on-hook state, simply press address digit, and pick up the handset. The call will be connected automatically.



**2.2.3 Hot-Line Dial**

Hot-line dialing lets you make automatical calls to the phone number under the address 99 by simply picking up your handset. (Address 99 is supposed to be used for most frequently called number) Two hot-line wait modes are available. If you set the hot-line mode to "Immediate", the call is dialed as soon as you go off hook. If the hot-line mode is set to "Timed", the call is connected after a specified timeout (4 sec or 8 sec).

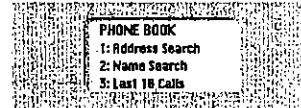


The default hot-line state is "Off", and the default timeout is preset to 6 sec. Refer to the chapter 3.6.5 for how to set up hot-line.

**2.3 To Search the Stored Telephone Number**

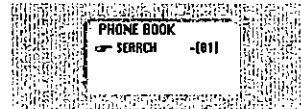
**2.3.1 Calling by Memory Address**

- Method 1
- Press [RECALL].
- To be displayed as below.

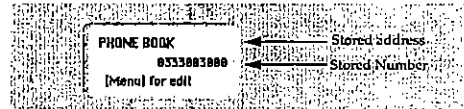


**Note:** Press [UP/DOWN] buttons to go through memory contents. If you press [RECALL] and select nothing for some time (about 2 minutes), the phone automatically goes back to the waiting mode.

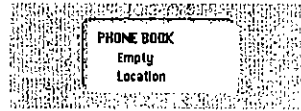
- Press [1] to select Address Search:



- Press two address digits and press [STORE].



**Note:** If the selected address is empty, the "Empty Location" message is displayed, and Recall menu restored.

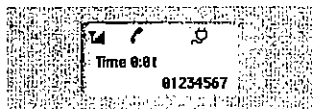


**Note:** To return to Recall menu, press [CLEAR] button or 2 sec.

# CURITEL<sup>7</sup>

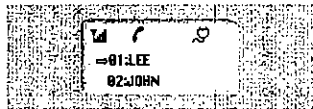
# CURITEL<sup>7</sup>

- Press [SEND] then LCD display when the called number is busy

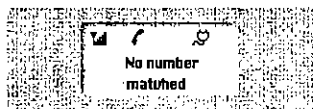


### Method 2

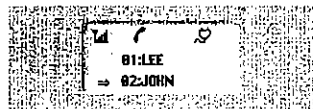
- Press last 4 digits and [RECALL]. All the related numbers are to appear when there are some phone numbers with the same last 4 digits.



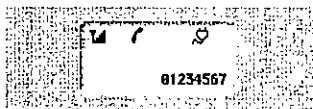
**Note:** If the specified address is empty, the "No number matched" message



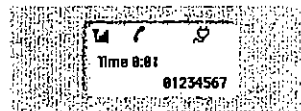
- To go through the memory contents, press [UP]/[DOWN] when telephone number is displayed



- Move the ">" cursor to the memory address you want, and hook off to make a call. The dialed telephone number will be displayed on the LCD screen:

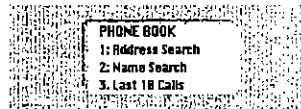


- LCD display when the called number is busy



### 2.3.2 Calling by Name or Telephone Number

- Search by Name
- Press [RECALL]
- To be displayed as below.

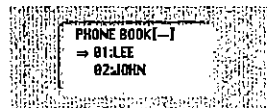


**Note:** Press [UP]/[DOWN] buttons to go through memory contents. If you press [RECALL] and select nothing for some time (about 2 minutes), the phone automatically goes back to the waiting mode.

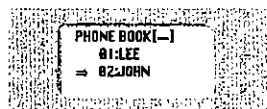
- Press [2].



- Type two-three first characters of the name you want, and press [STORE] (e.g., type AB). All names starting with supplied characters are displayed in alphabetical order.



- Use [UP] and [DOWN] buttons to locate the name you want.

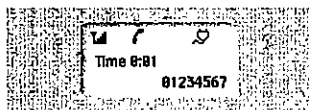






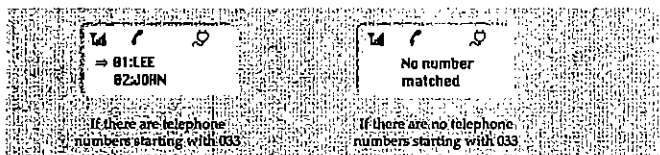
**Note:** When you have selected the name, you can press [STORE] to check the stored telephone number.

- Simply pick up the handset to make a call to the selected telephone number.
- The dialed telephone number will be displayed on the LCD screen:

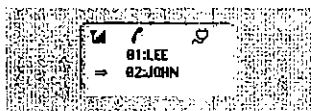


**Search by Telephone Number**

- Type three-four first digits of the telephone number you want (e.g., 033).
- Press [RECALL].
- All telephone numbers and names starting with 033 will be displayed:

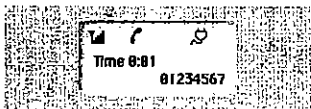


- You can go through telephone numbers using [UP] and [DOWN] buttons.



**Note:** When you have selected the number, you can press [STORE] to check the stored telephone number.

- Simply pick up the handset to make a call to the selected telephone number.
- The dialed telephone number will be displayed on the LCD screen:

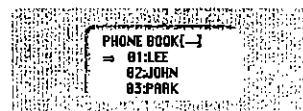


**2.3.3 Last 10 Calls**

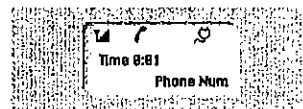
If you want to display the last 10 number in phone book, press [3].



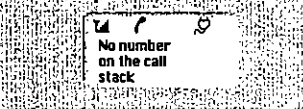
The list of stored telephone numbers will be displayed.



- Move the ">" cursor to the telephone number you want, and hook off the handset to make a call.
- The dialed telephone number will be displayed on the LCD screen



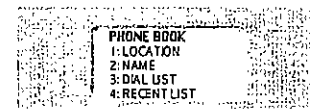
**Note:** "No numbers on the call stack" appears when you have not made any call recently.



**2.3.4 List of Recent Calls**

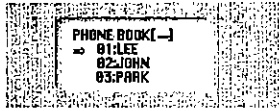
The WLL terminal stores 10 telephone numbers you have recently dialed which you can use to make a quick call.

- Press [RECALL] button.
- Recall Menu is displayed on the LCD screen.

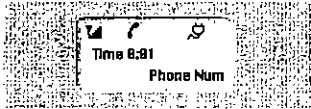


# CURITEL<sup>7</sup>

Press [4].



- The list of stored telephone numbers will be displayed.
- Move the ">" cursor to the telephone number you want, and hook off the handset to make a call.
- The dialed telephone number will be displayed on the LCD screen:

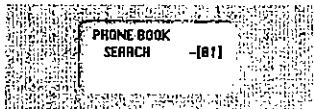


**Note:** Recent Calls list is retained as long as terminal power (external or internal battery) is on. When you switch the terminal off, the list is cleared.

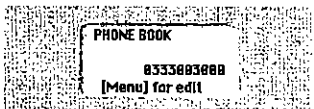
## 2.3.5 To Edit the Stored Telephone Number

### 2.3.5.1 To edit stored telephone number, select [1] Address Search.

1 Press [STORE].

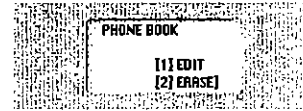


2 Press [Menu].

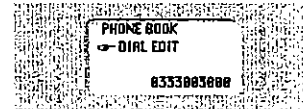


# CURITEL<sup>7</sup>

3 Press [1] EDIT



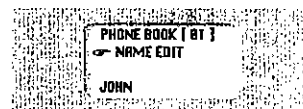
4 Press [1] EDIT



5 Editing Telephone Number  
Edit the telephone number using [CLEAR] and [0] ~ [9] buttons. Press [STORE] when ready.

**Note:** Press [CLEAR] to delete characters one-by-one.  
Press and hold [CLEAR] to delete the whole number.  
To edit the number use Dial buttons [0] ~ [9].  
When you finish editing, press [STORE].

6 Editing Name  
To edit the name, use [UP]/[DOWN] and [0] ~ [9] buttons. Press [STORE] when ready.

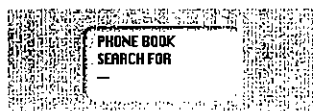


**Note:** When Name editing is enabled, the first character is blinking.  
To return to the previous step, press [CLEAR].  
Using [UP] and [DOWN] buttons to move the blinking cursor to the character you want to edit. Use [0] ~ [9] buttons to change the character.  
To insert space character, press [CLEAR] when the cursor is inside the word or press [DOWN] at the end of word.  
When you finish editing, press [STORE].  
Now you can edit the telephone number. See above how to edit the number.

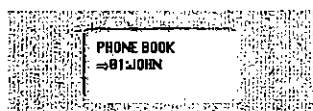
# CURITEL<sup>7</sup>

2.3.5.2. To edit the stored telephone number when Name Search is selected

- ① Input a name to search.



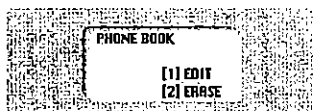
- ② Use [UP]/[DOWN] buttons to move the ">" cursor to the address you want to edit. Press [STORE] to check the stored telephone number.



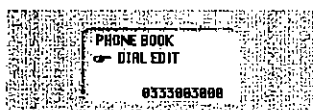
- ③ Press [MENU] to edit the content of the selected address..



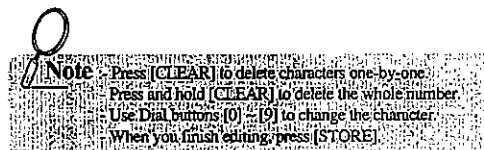
- ④ Press "[1] EDIT".



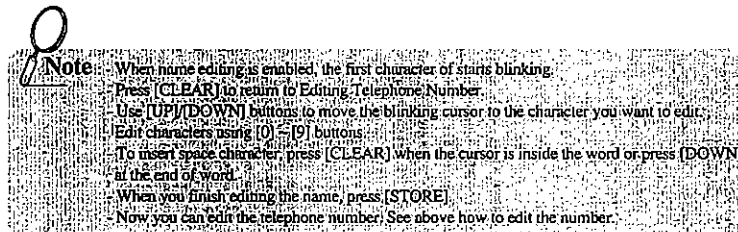
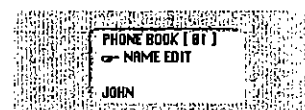
- ⑤ Editing Telephone Number Edit the number using [CLEAR] and [0] ~ [9] buttons. Press [STORE] when ready.



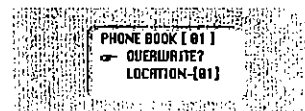
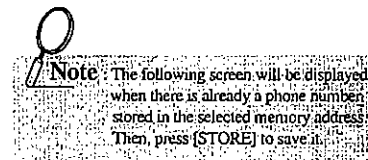
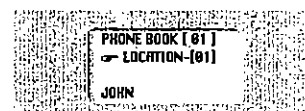
# CURITEL<sup>7</sup>



- ⑥ Editing Name  
Edit the name using [CLEAR] and [0] ~ [9] buttons. Press [STORE] when ready.



- ⑦ Editing Memory Address  
Edit the memory address using [0] ~ [9] buttons. Press [STORE] when ready.

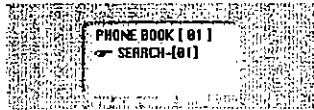


# CURITEL<sup>7</sup>

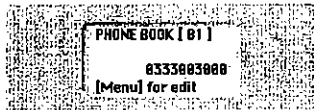
## 2.3.6. To Erase the Stored Telephone Number

### 2.3.6.1. To delete the telephone number when Address Search is selected

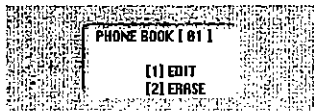
① Select an address and press [STORE]



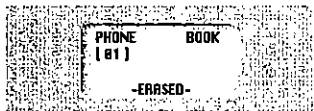
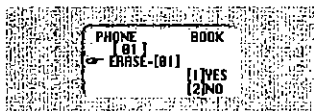
② Press [Menu] button.



③ Press [2] to delete the selected telephone number.



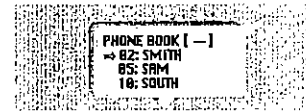
④ Press "Yes" and you will erase a phone number in the memory address.



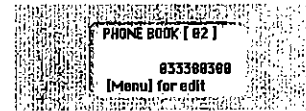
# CURITEL<sup>7</sup>

## 2.3.6.2. To delete the telephone number when [2] NAME is selected

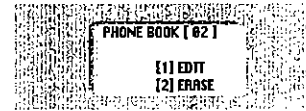
① Use [UP]/[DOWN] buttons to move the ">" cursor to the address you want to delete.



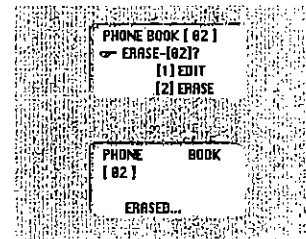
② Press [STORE] to check the telephone number.



③ Press [MENU] to select editing.



④ Press [2] to select ERASE.



- Press [1] to delete the selected telephone number

- The selected telephone number will be deleted.

- Press [2] to cancel deletion and return to the previous step.

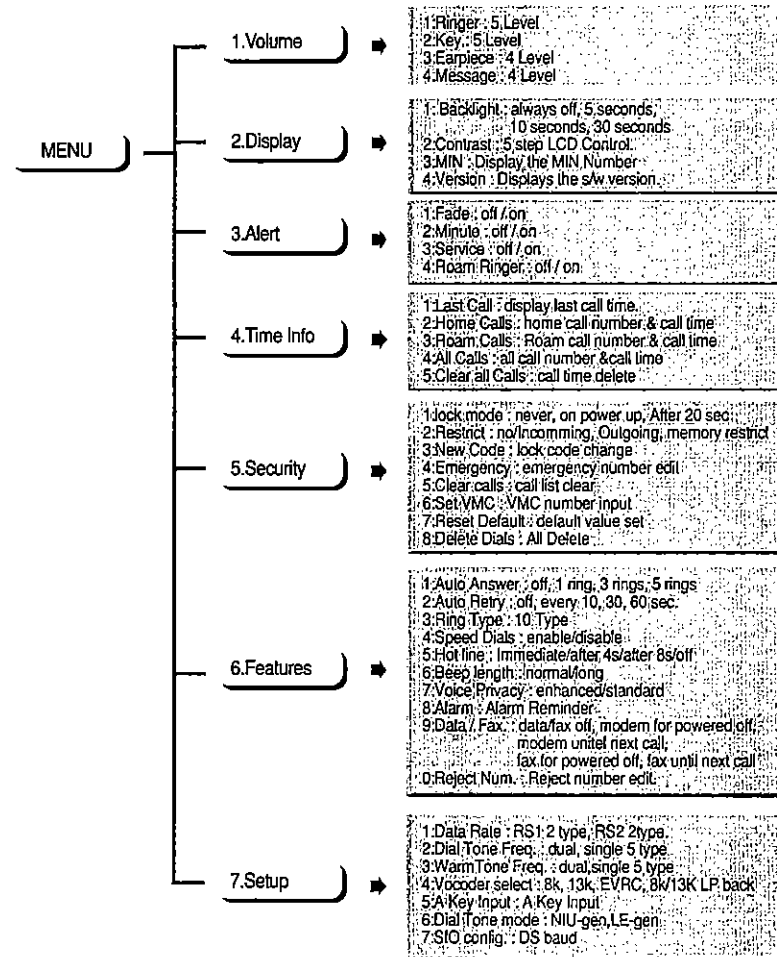


**Note**

To check the stored telephone number  
 A telephone number can contain up to 32 digits, and a name up to 16 characters.  
 Press [RECALL] and then press (1) Address Search or (2) Name Search to select the telephone number you want to check.  
 When you select (1) Address Search, the corresponding address, name and telephone number are displayed. If the telephone number has more than 16 digits, you can check it by selecting [MENU] and then (1)EDIT.  
 When you select (2) Name Search, only the corresponding address and the name are displayed. At this time, you can check the telephone number by pressing [STORE]. If the telephone number has more than 16 digits, you can check it by selecting [MENU] and then (1)EDIT.  
 If you select (1)EDIT, flash the hook or press [SEND/REDIAL] button to return to the Waiting Mode.  
 If you want further to check the name, you can enter up to 16 characters but only 13 characters will be displayed.  
 If you select (1)EDIT and then press [STORE], you will be brought back to Name editing. At this time, you can check the whole name (up to 16 characters).  
 If you want to exit the Editing Mode without making changes, flash the hook or press [SEND/REDIAL] button.

**3. Using Menu Mode**  
**Flow-Chart of Menu Operations**

HWP 2100 Flow - Chart of Menu Operation



# CURITEL

## 3.1. To Adjust Volume

The menus in the following subsections are displayed when the handset is not attached to an accessory.

### 3.1.1. To adjust the ringer volume

Ringer volume is used to adjust the ringer and new message alert volume.



- Press [MENU] button.
- Press [1] to select Volume.
- Press [1] to select Ringer.
- Use [UP]/[DOWN] buttons to adjust the volume, and press [STORE] to save the changes you have made.
- Press [CLR] to return to the Wait Mode.

**Note:** silent level 1 ~ 4.  
The default is level 2.

### 3.1.2. To adjust the key beep volume

Key beep volume can be set to adjust volume.



- Press [MENU] button.
- Press [1] to select Volume.

# CURITEL

- Press [2] to select Key Beep.
- Use [UP]/[DOWN] buttons to adjust the volume, and press [STORE] to save the changes you have made.
- Press [CLR] to return to the Menu Mode.

**Note:** silent level 1 ~ 4.  
The default is level 2.

### 3.1.3. To adjust the handset volume

Earpiece volume is used to adjust volume.

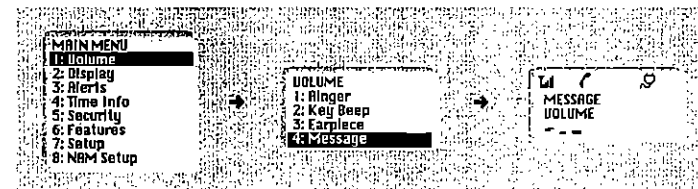


- Press [MENU] button.
- Press [1] to select Volume.
- Press [3] to select Earpiece.
- Use [UP]/[DOWN] buttons to adjust the volume, and press [STORE] to save the changes you have made.
- Press [CLR] to return to the Menu Mode.

**Note:** level 1 ~ 4.  
The default is level 2.

### 3.1.4. To adjust the message volume,

The incoming SMS message alert volume can be set to adjust volume.



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- Press [MENU] button.
- Press [1] to select Volume.
- Press [4] to select Message.
- Use [UP]/[DOWN] buttons to adjust the volume, and press [STORE] to save the changes you have made.
- Press [CLR] to return to the Menu Mode.

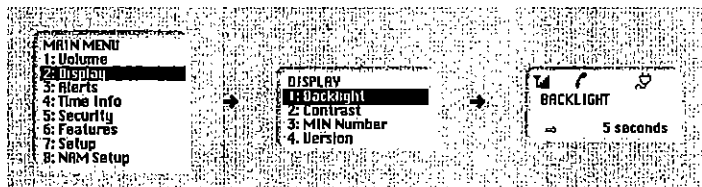
**Note:** silent level: 1~4  
The default is level 2.

## 3.2. DISPLAY

These display items are accessible while the handset is in a call.

### 3.2.1. Backlight

Use Backlight to set the LCD and keypad backlighting to always off, 5seconds, 10 seconds, or 30 seconds.

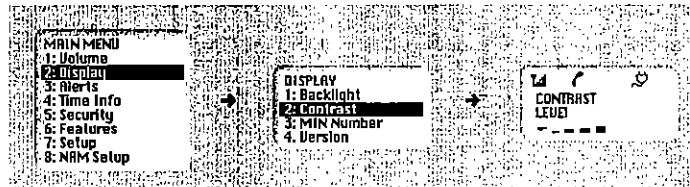


- Press [MENU] button.
- Press [2] to select Display.
- Press [1] to select Backlight.

**Note:** 5 seconds: To set the LCD and keypad backlighting to 5 seconds (default).  
10 seconds: To set the LCD and keypad backlighting to 10 seconds.  
30 seconds: To set the LCD and keypad backlighting to 30 seconds.  
always off: To set the LCD and keypad backlighting to always off.

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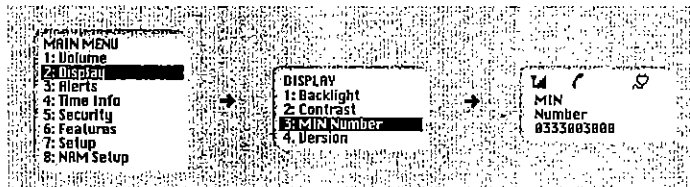
### 3.2.2. Contrast



- Press [MENU] button.
- Press [2] to select Display.
- Press [2] to select Contrast:

**Note:** level: 1~5  
The default is level 4.

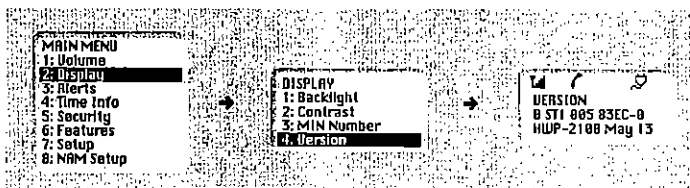
### 3.2.3. Display MIN



- Press [MENU] button.
- Press [2] to select Display.
- Press [3] to select MIN Number:

### 3.2.4. Display Version

The current version of the WLL terminal software is displayed



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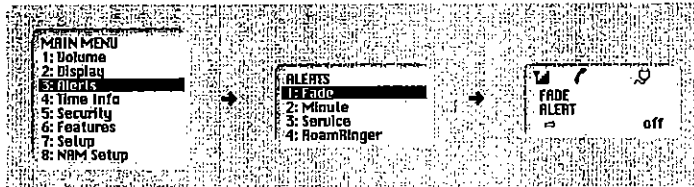
# CURITEL<sup>7</sup>

- Press [MENU] button.
- Press [2] to select Display.
- Press [4] to select Version

### 3.3. Alert

#### 3.3.1. Fade

Use Fade to set an alert to beep when the phone is losing service

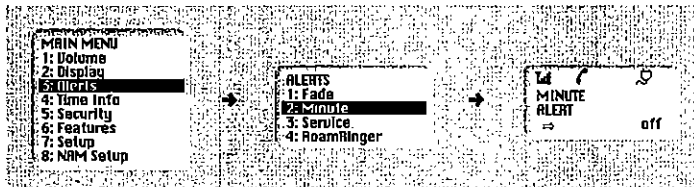


- Press [MENU] button.
- Press [3] to select Alerts.
- Press [1] to select Fade:

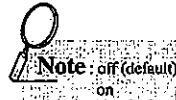


#### 3.3.2. Minute

Use Minute to set an alert to beep 10 seconds before the end of every minute during a call.

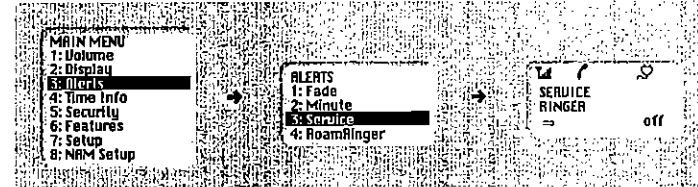


- Press [MENU] button.
- Press [3] to select Alerts.
- Press [2] to select Fade:



#### 3.3.3. Service

If the service alert is on, it beeps when losing service and when it reacquires service. If service alerts are off, it does not beep when losing or finding service.

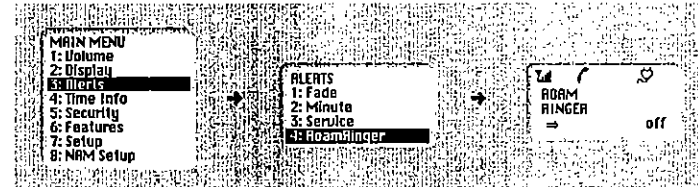


- Press [MENU] button.
- Press [3] to select Alerts.
- Press [3] to select Service:

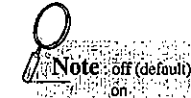


#### 3.3.4. Roam Ringer

Use Roam Ringer to set ringer to sound(on) or not sound(off) upon reception of a roam call.



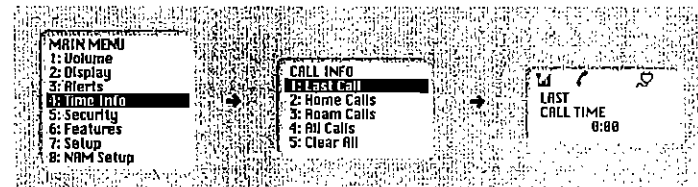
- Press [MENU] button.
- Press [3] to select Alerts.
- Press [4] to select RoamRinger:



### 3.4. Time Information

#### 3.4.1.1. Last Call Time Check Function (LAST CALL)

Use Last Call to display information about the last call that was made.



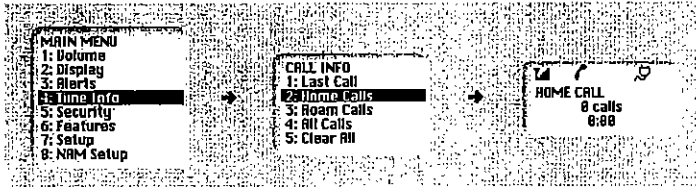


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- Press [MENU] button.
- Press [4] to select Time Info.
- Press [1] to select Last Call

### 3.4.1.2. Home Call Time Check Function (HOME CALL)

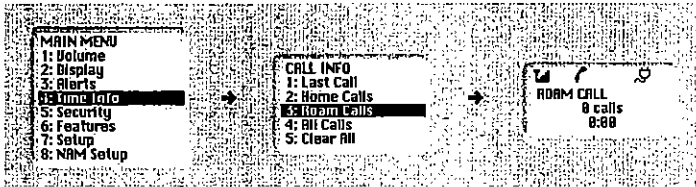
Use Home Calls to display both the total time in minutes and seconds of hom calls and the number of calls.



- Press [MENU] button.
- Press [4] to select Time Info.
- Press [2] to select Home Calls:

### 3.4.2. Roam Call Time Check Function (ROAM CALL)

Use Roam Calls to display both the total roam time in minutes and seconds and the number of calls.

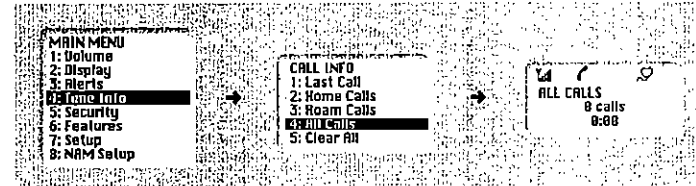


- Press [MENU] button.
- Press [4] to select Time Info.
- Press [3] to select Roam Calls:

### 3.4.3. All Calls Function (ALL CALLS)

Use All Calls to display both the total call time in minutes and seconds and the number of calls.

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- Press [MENU] button.
- Press [4] to select Time Info.
- Press [4] to select All Calls:

### 3.4.4. Clear All Calls Function (CLR ALL CALLS)

Use Clear All Calls to clear the call history information.



- Press [MENU] button.
- Press [4] to select Time Info.
- Press [5] to select Clear All:

**Note** :yes (default)  
no

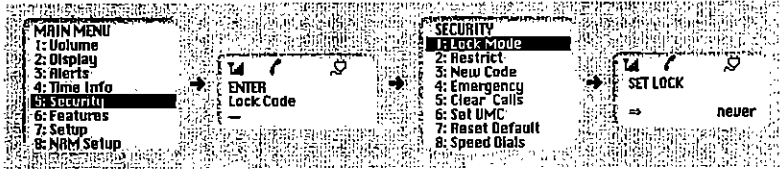
## 3.5. Security

The user must enter the 4-digit lock code to enter this menu section.

### 3.5.1. Lock Mode Set Function (LOCK MODE)

Use Lock Mode to lock the phone upon power up, now, or never.

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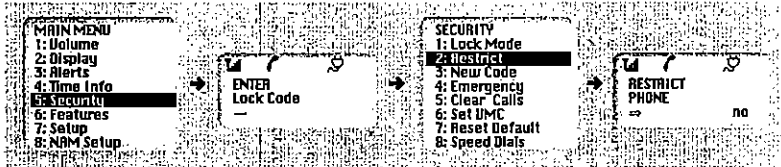
- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [1] to select Lock Mode.



**Note**, never (default) on power up now

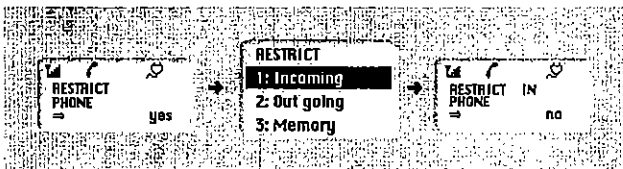
### 3.5.2. Restrict Set Function (RESTRIC)

Use Restrict to restrict incoming calls and outgoing calls to phone numbers that are stored in memory location 1 to 99 and not allow new entries to be saved to or erased from the phonebook.



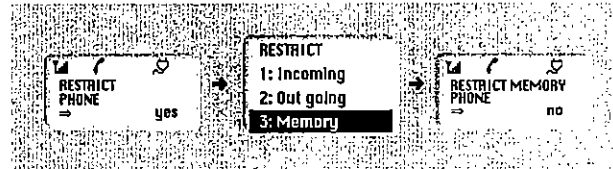
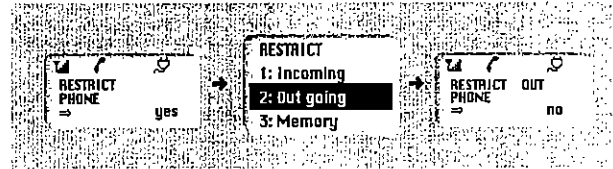
- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [2] to select Restrict.

• If you want to restrict incoming calls, choose 'yes'.

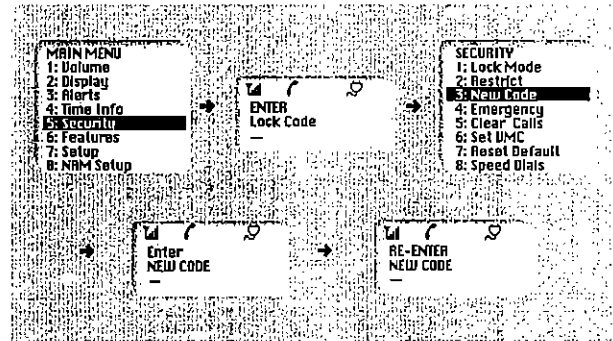


# CURITEL<sup>7</sup>

• If you want to restrict outgoing calls, choose 'yes'.



### 3.5.3. Lock Code Change Function (NEW CODE)

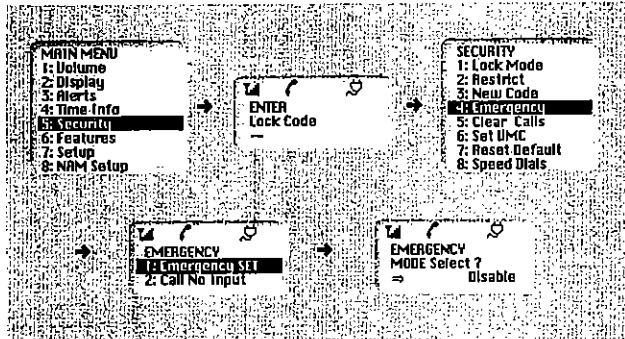


- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [3] to select New Code.
- Enter 4 digits new code
- Enter 4 digits re-new code

**3.5.4. Emergency Number Edit Function (EMERGENCY)**

Use Emergency Number to set Emergency mode and enter an emergency phone number.

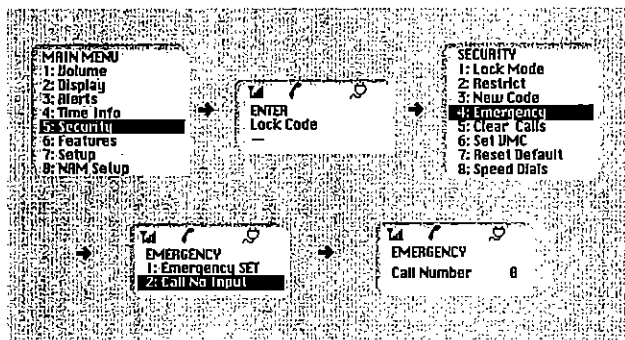
**3.5.4.1. Emergency SET**



- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [4] to select Emergency.
- Press [1] to select Emergency SET.



**3.5.4.2. Emergency Call Number Input**

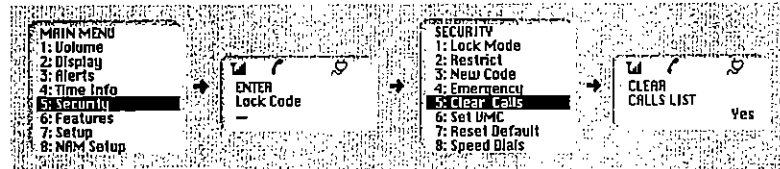


- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [4] to select Emergency.
- Press [2] to select Call No Input.



**3.5.5. Call List Clear Function(CLEAR CALLS)**

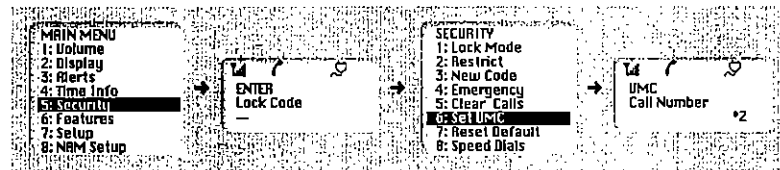
Use Clear Calls to clear the call history information.



- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [5] to select Clear Calls.

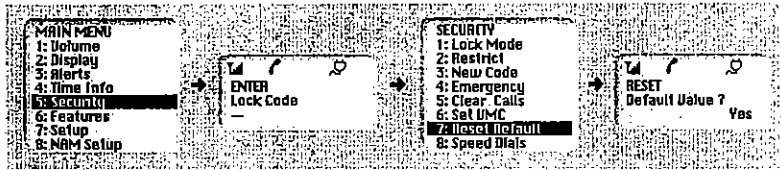
**3.5.6. VMC(Voice Mail Center) Set Function(SET VMC)**

This service enables you to connect with the VMS(Voice mail System) and identify the Voice mails.



- Press [MENU] button.
- Press [5] to select Security:
- Enter 4 digits lock code:
- Press [6] to select Set VMC.

3.5.7. Reset Default Function(RESET)



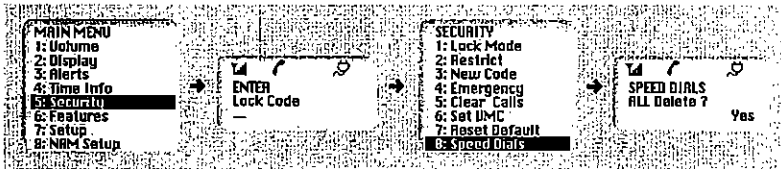
- Press [MENU] button.
- Press [5] to select Security;
- Enter 4 digits lock code;
- Press [7] to select Reset Default.

**Note** : yes default.

3.5.8. Speed Dial List Clear

Function(SPEED DIALS)

Use Speed Dials to clear the speed dial's history information.

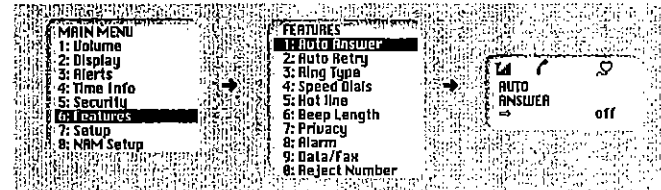


- Press [MENU] button.
- Press [5] to select Security;
- Enter 4 digits lock code;
- Press [8] to select Speed Dials.

3.6. Features

3.6.1. Auto Answer Function (Auto Answer)

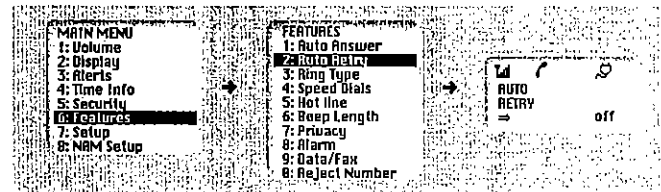
Use AutoAnswer to set the handset to automatically answer an incoming call after the selected number of rings.



- Press [MENU] button.
- Press [6] to select Features
- Press [1] to select Auto Answer.

3.6.2. Auto Retry Function (Auto Retry)

Use Auto Retry to set the length to time that the phone will wait before automatically redialing a number when the system is busy.



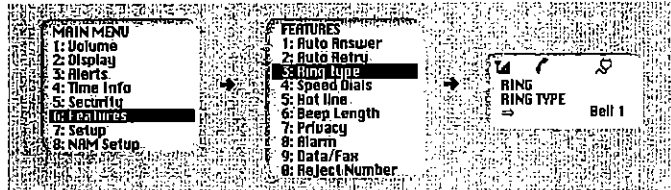
- Press [MENU] button.
- Press [6] to select Features
- Press [2] to select Auto Retry.

**Note** : off default.

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## 3.6.3. Ring Type Function

You can select between 10 ring types to inform about incoming call.

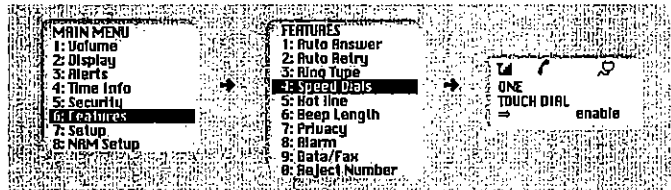


- Press [MENU] button.
- Press [6] to select Features
- Press [3] to select Ring Type.

**Note:** Select among Bell 1 ~ Bell 10.

## 3.6.4. Speed Dialing Function (Speed Dial)

This menu is used to turn the speed dialing on and off. For example, if the number 0123456789 is stored under the address 2, you can make a call by pressing [2] for more than 1 second in the off-hook state.



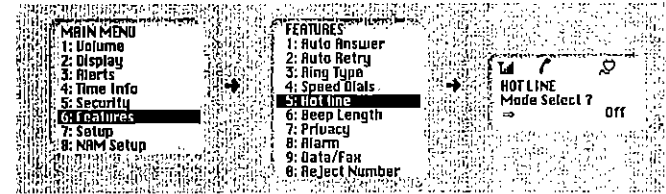
- Press [MENU] button.
- Press [6] to select Features
- Press [4] to select Speed Dials.

**Note:** SPEED DIAL "ENABLE"  
Speed dial is enabled.  
SPEED DIAL "DISABLE"  
Speed dial is disabled.  
The default is "Enable".

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## 3.6.5. Hot Line Function (Hot Line)

You can make a call automatically without entering the phone number. In other words, if you store a frequently used number at the address 99 and the hot line function is enabled (timed or immediate), you can automatically make a call to that number :  
For immediate call, you simply pick up the handset and the call will be connected. For timed call, you pick up the handset and wait for a few seconds until the call is connected.



- Press [MENU] button.
- Press [6] to select Features
- Press [5] to select Hot line.

**Note:** Immediate: Immediate hot line function enabled After Timed: Timed hot line enabled Off: Hot line disabled

## 3.6.6. Beep Length Adjust Function (Beep Length)

This function allows you to change the duration of WLL terminal beep tone.

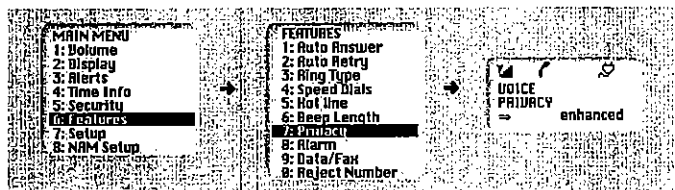


- Press [MENU] button.
- Press [6] to select Features
- Press [6] to select Beep Length.

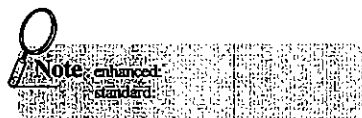
**Note:** normal: KEY.TONE sound is played once; long: KEY.TONE sound is played as long as the key is pressed. The default is "normal".

**3.6.7. Voice Privacy**

Use Voice Privacy to set voice privacy to standard or enhanced.

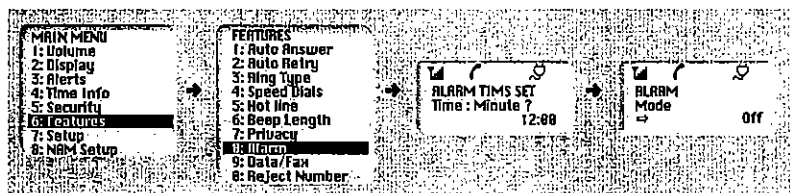


- Press [MENU] button.
- Press [6] to select Features
- Press [7] to select Voice Privacy.



**3.6.8. Alarm Reminder Function(Alarm Reminder)**

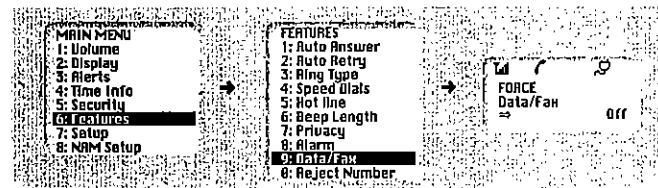
Alarm reminder enables the alarm ring when the specified time is reached. The ring discontinues when you pick up the handset. The default is disabled. 4.6.8.1 Alarm Time Input



- Press [MENU] button.
- Press [6] to select Features
- Press [8] to select Alarm.

**3.6.9. Data/Fax Set Function**

Due to infrastructure limitations, there are instances when the handset software cannot determine if an incoming CDMA call contains voice or data information. In these cases, the handset must be set to "data mode" to accept the incoming data information.

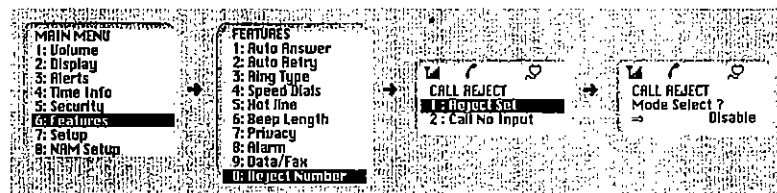


- Press [MENU] button.
- Press [6] to select Features
- Press [9] to select Data/Fax.

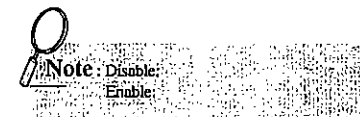


**3.6.10. Reject Num Edit Function**

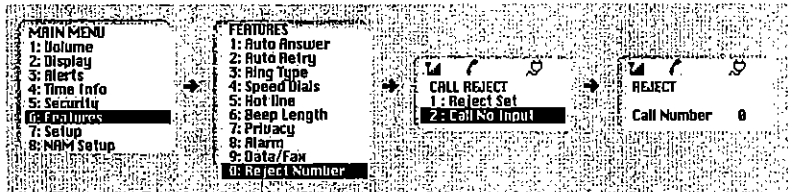
**3.6.10.1. Reject Set**



- Press [MENU] button.
- Press [6] to select Features
- Press [0] to select Reject Number.
- Press [1] to select Reject Set.



3.6.10.2. Reject Call Number Input

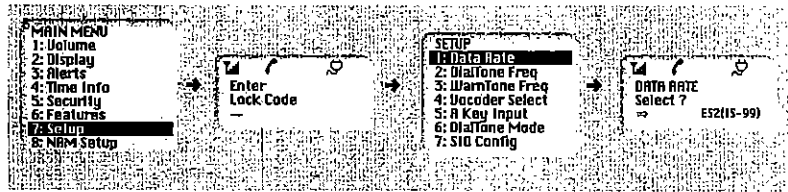


- Press [MENU] button.
- Press [6] to select Features
- Press [0] to select Reject Number.
- Press [2] to select Call No Input.

**Note** No.0~No.9

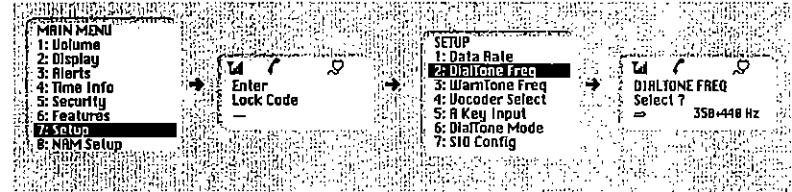
3.7. Setup

3.7.1. Data Rate



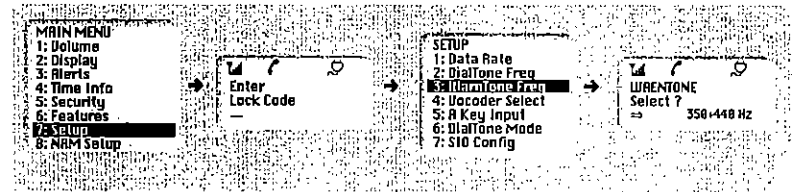
**Note** RS2(15-99) (default)  
RS1(15-707.4)  
RS2(15-707.4)  
RS1(15-99)

3.7.2. Dial Tone Frequency



**Note** : 350 ~ 440 Hz (default)  
400Hz single  
425Hz single  
450Hz single

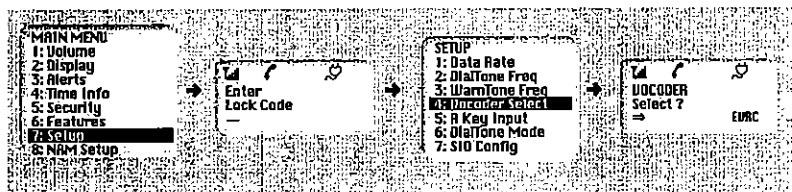
3.7.3. WarmTone Frequency



**Note** : 350 ~ 440 Hz (default)  
400Hz single  
425Hz single  
450Hz single

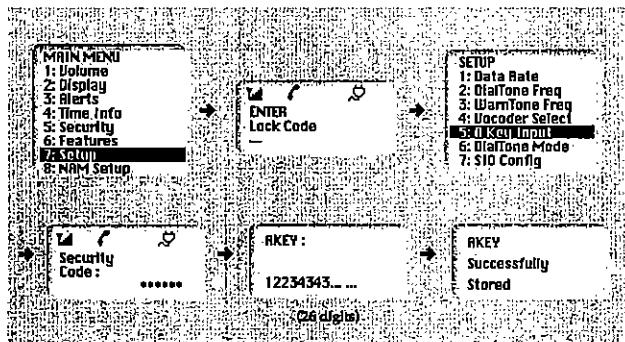
# CURITEL<sup>7</sup>

## 3.7.4. Vocoder Select



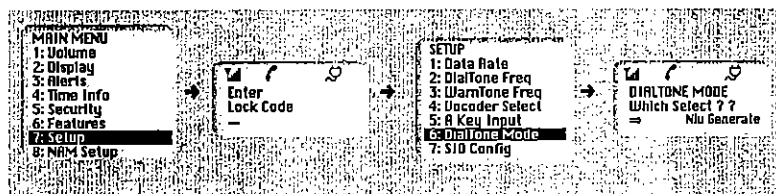
**Note** EVRC  
 13K (default)  
 8K  
 8K LP back  
 13K LP back

## 3.7.5. A Key Input



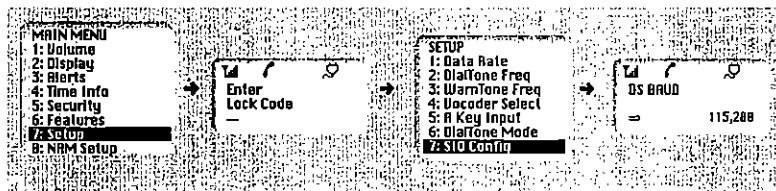
# CURITEL<sup>7</sup>

## 3.7.6. DialTone Mode



**Note** NIU Generate (default)  
 LE Generate

## 3.7.7. SIO Config



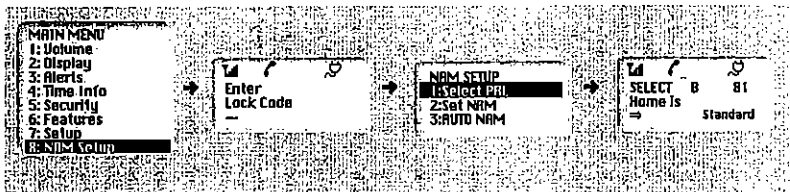
**Note** 19,200  
 115,200 (default)  
 230,400  
 AUTOBAUD



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## 3.8. NAM Setup

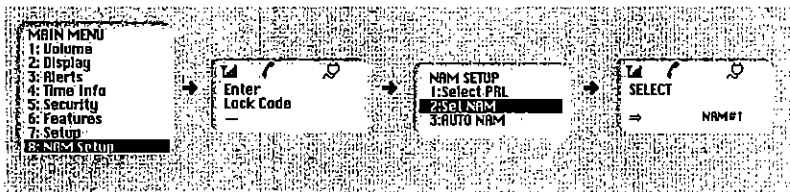
### 3.8.1. Select PRL



- Press [MENU] button.
- Press [8] to select NAM Setup:
- Enter 4 digits security code: .
- Press [1] to select Select PRL.

**Note:** standard, home only, B only, A only

### 3.8.2. Set NAM

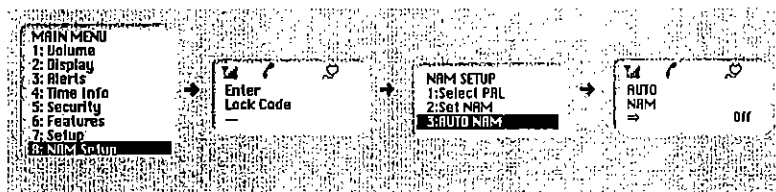


- Press [MENU] button.
- Press [8] to select NAM Setup:
- Enter 4 digits security code: .
- Press [2] to select Set NAM. .

**Note:** NAM #1 - NAM #2

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### 3.8.3. Auto NAM



- Press [MENU] button.
- Press [8] to select NAM Setup:
- Enter 4 digits security code: .
- Press [3] to select Auto NAM.

**Note:** on, off

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## 4. How To Use SMS

- When you are not able to receive a call because power is off and phone is out of service area, your phone automatically turns to SMS mode which enables you to check numbers, letters and voice messages through the LCD.
- You are able to send or receive a message with the maximum 160 English digits.
- The maximum digits to transmit through the phone depend on service provider.
- The messages received and stored will not be erased even though the phone is turned off and back on.
- SMS is the additional feature provided by service provider. To use the feature, you have to apply for it. Return to idle mode.

### 4.1 MESSAGE NOTIFICATION

#### 4.1.1 Voice Mail Notification

① When WLL terminal receives a voice mail from the MC (Message Center) or BS (Base Station):

- The time of arrival and the number of messages in MC are displayed on screen.



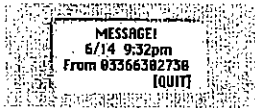
② Quit Notification Screen // 아이들 화면을 표시 여부

- Press [CLEAR] or [MESSAGE] button to quit.

#### 4.1.2 Text Mail Notification

① When WLL terminal receives a text mail from the MC (Message Center) or BS (Base Station)

- The time of arrival, the call-back number, and message text are displayed on screen.



② Quit Notification Screen

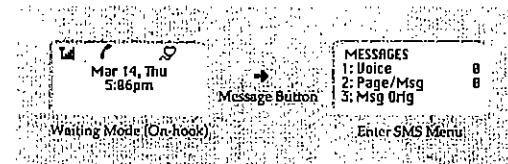
- Press [CLEAR] or [MESSAGE] button to quit.

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## 4.2 TERMINATED SMS MANAGEMENT

### 4.2.1 Entering SMS Menu

- To enter the SMS Menu, press [MESSAGE] button in the Waiting Mode .

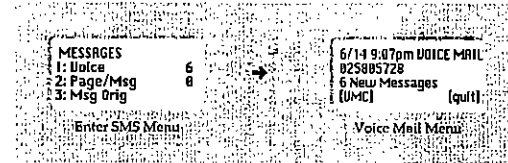


- On the initial screen of the SMS Menu the numbers of new voice mail and text mail messages is displayed.

### 4.2.2 Voice Message

#### ① Voice Mail Menu

- To enter the Voice Mail Menu, press [1] button.



- The last received voice mail information (arrival data/time, call-back phone number, the number of the messages in the MC) is displayed.

**Note** - In order to hear the voice mail, you have to connect the phone number of Voice Mail Center. You can connect Voice Mail Center in the Voice Mail Menu. In Voice Mail Menu displaying above, press [STORE] button (to enter the Voice Mail Center [VMC] connection), and Voice Mail Center number is displayed. If Voice Mail Center Number is right, pick up handset, and you can directly make a phone call to VMC without pressing number. (refer 3.5.6 VMC(Voice Mail Center) Set Function(SET.VMC).)

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### ② View Message

- You can view the message text by scrolling the display content using [UP]/[DOWN] buttons.

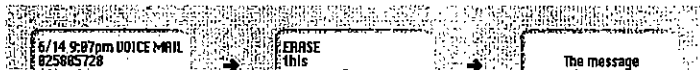
### ③ Quit Notification Screen

- Press [MESSAGE] button to quit.



### ④ Clear the received voice mail information.

- Press [CLEAR] button.
- To confirm deletion, press [STORE] button.



If the voice mail information is cleared, the initial SMS Menu is displayed.  
To cancel deletion, press [CLEAR] button.

#### No New Voice Mail Notification

When there is no new voice mail, press [CLEAR] button to enter the Voice Mail Menu:

Then, the LCD screen displays the following.

To return the initial SMS Menu, wait for 3 second  
or press [STORE] or [CLEAR] button.

#### Calling to the call-back phone number

##### Off-hook state

Press [SEND] button. The call-back phone number will be displayed.  
To make a call to that number, simply pick up your handset.

##### On-hook state

The phone returns to idle mode when you lift its handset to give a call to a call-back number after accessing a voice mail in on-hook state.

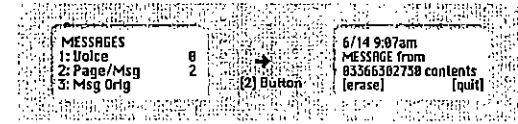
## CURITEL<sup>7</sup>

### 4.2.3 Text Message

Use Backlight to set the LCD and keypad backlighting to always off, 5seconds, 10 seconds, or 30 seconds.

#### ① Text Mail Menu

- To enter the Text Mail Menu, press [2] button.
- The first received text mail information (arrival data/time, call-back phone number, the received messages). Display is automatically scrolled at 2 seconds interval.



#### ② Clear the received text mail information

Press [erase] button .

To confirm deletion, press [RECALL] button.

The text mail information is cleared, and the next text mail is displayed.

To cancel deletion, press [STORE] or [CLEAR] button.

#### Going to Next Message

Press [STORE] Button.

The next text mail information will be displayed.

The previous text mail information is added to the Old Text Mail list.

6 New Messages [quit] Clear message? [yes] [no] Store Is erased

5

No VoiceMail Information Received [quit]

6

6/14 9:07pm VOICE MAIL  
825885728  
6 New Messages [quit] Send  
825885728  
Calling...  
83366302730

83366302730 [erase] [view] ERASE this message? [yes] [no] 6/14 1:00pm 83366306976 [ERASE] [NEXT] 83366306976 [ERASE] [NEXT]

3

83366302730 [ERASE] [NEXT] Store Button 6/14 1:00pm 83366306976 [ERASE] [NEXT]

④ View the Old Text Mail List

- Press [2] button.
- The Old Text Mail lists(ex : 2 messages) will be displayed.



⑤ Scroll Through the Old Text Mail Lists

- Use [UP]/[DOWN] buttons to scroll through the Old Text Mail List.

⑥ View information from the Old Text Mail List

- Press [CLEAR] button.
- The selected old text mail information will be displayed. Display is automatically scrolled at 2 seconds interval.



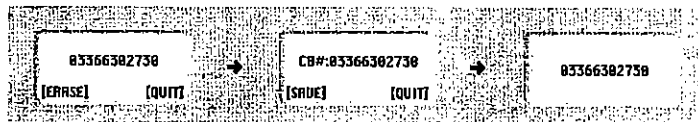
⑦ Clear the Old Text Mail Information

- Press [STORE] button when the Old Text Mail List or text mail information is displayed.



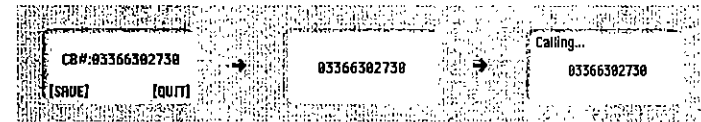
⑧ Register the Received Call-back Number to the Speed-dial List

- Press [SEND] button when the Old Text Mail List or text mail information is displayed. //Press [SEND] to save it.
- If call-back phone number is displayed, press [RECALL] button.
- Enter the speed-dial address number, and follow the steps for saving speed dial numbers (refer to "4.2.5 Speed Dialing")



⑨ Make a Call to the Received Call-back Number

- If call-back phone number is displayed, press [SEND] button once again.
- When call-back phone number is displayed, simply pick up the handset to make a call to that number.

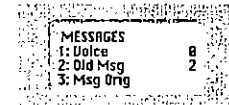


4.3. Originate SMS

4.3.1. SMS submenu

SMS submenu lets you control the SMS origination and restriction for the received broadcast short message.

- To enter the SMS submenu
- Press [MESSAGE] button.
- Use [UP]/[DOWN] or [1] ~ [3] buttons to navigate through the SMS submenu commands.



4.3.2. Input The Receiver Phone Number For SMS Origination

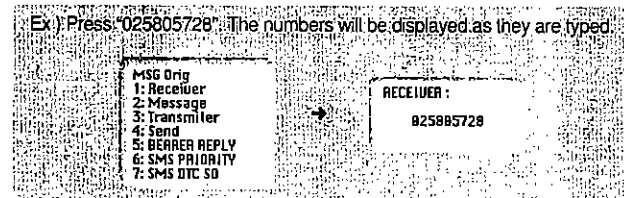


① Input the receiver phone number

- In the SMS submenu press [1] Submenu.

② When the Input Window is displayed

- Use dial buttons to input numbers.



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# CURITEL<sup>7</sup>

### ③ Clear the number

- Press [CLEAR] button.

Ex.) Change the last entered number from '8' to '1'.

- Press [CLEAR]. The last number ('8') disappears.
- Press [4] '1' appears in the Input Window.

### ④ Store the phone number

- Press [STORE] button.

### ⑤ The maximum length of the phone number is 16 digits.

## 4.3.3 Input the Message for SMS Origination

### ① Input the Message

- In the SMS submenu press [2] Submenu. The Message Input Window appears.

### ② Input Alphanumeric Character

The Alphanumeric Keys Mapping Table

Key	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[0]
Char Or		A	D	G	J	M	P	T	W	
		B	E	H	K	N	Q	U	X	
		C	F	I	L	O	R	V	Y	
							S		Z	
	1	2	3	4	5	6	7	8	9	0

### Ex 1) To input 'B', press [2] twice.

### Ex 2) To input 'AA' (same character or number repeatedly).

- Input 'A' (Press [2] twice).

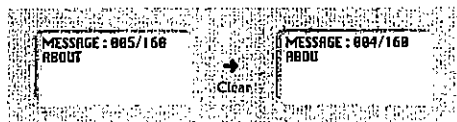
- Press [Right] button.

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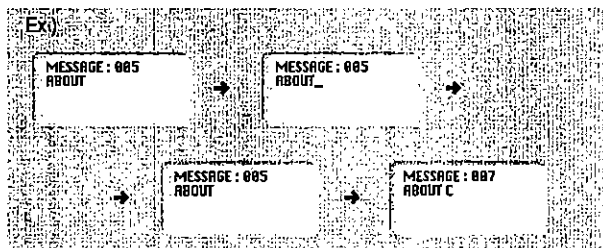
### 3 Clear the message

- Press [CLEAR] button.



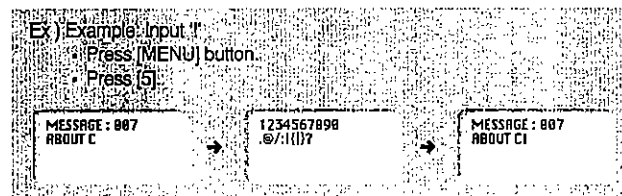
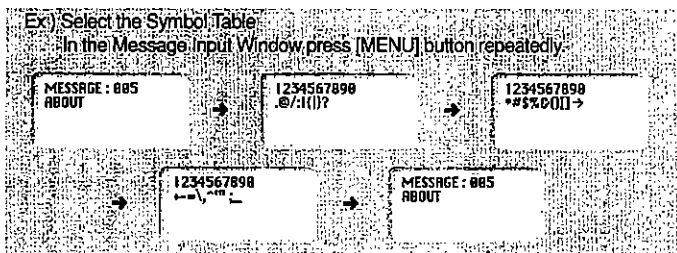
### 4 Insert ' ' (space character)

- Press [Right] button twice.



### 5 Input Symbols

Symbol Mapping Table										
Key	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[0]
Sym.	.	@	/	:	!	{		}	?	
	*	#	\$	%	&	(	)	[	]	→
	+	-	=	\	,	^	'	"	:	_



### 6 Store the inputted phone number

- Press [STORE] button.

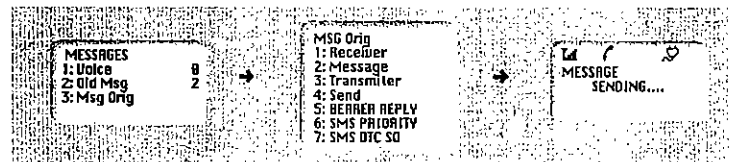
7 The Maximum length of the phone number is 224.

### 4.3.4 Input The Transmitter Phone Number For SMS Origination

- In the SMS submenu press [3] Submenu.

**Note** 5.3.4.1 Input the receiver phone number for SMS origination.

### 4.3.5 SMS Origination



### 1 Send SMS

- In the SMS submenu press [4] Submenu. The "MESSAGE SENDING ..." is displayed on screen.

② Display the Result of the SMS Origination.

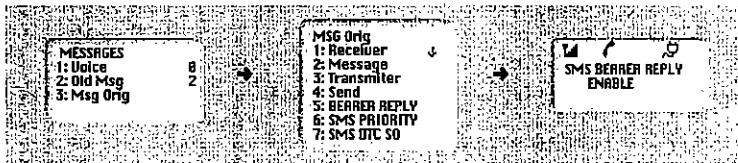
- When SMS message is sent, the result is displayed as follows:



**Common feature :** Arrow indicator shows which option is being selected.

4.4 SMS OPTIONS

4.4.1 Set The Bearer Reply Option For SMS Origination

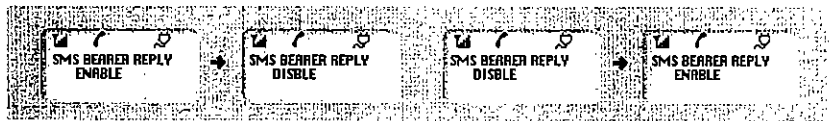


① Enter the Bearer Reply Option Menu

- In the SMS submenu press [5] key.

② Toggling the Bearer Reply Option

- Press [UP]/[DOWN] buttons.



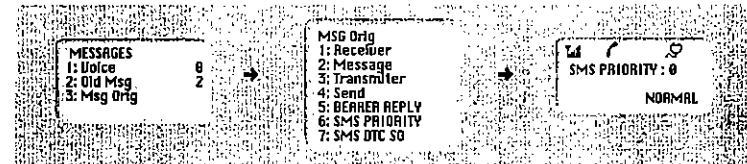
③ Store and Exit

- Press [STORE] button.

4.4.2 Restrict The Priority Of The Received Broadcast Short Message

① Enter the Priority menu

- Press [MENU] button, and then press [6].



② The Priority Table

Key	Priority	Value
[0]	NORMAL	0
[1]	INTERACTIVE	1
[2]	URGENT	2
[3]	EMERGENCY	3

③ Priority Selection

- Method 1: Press the dial button with the number that corresponds to the priority you want.
- Method 2: Use [UP]/[DOWN] buttons to change the option.

④ Store and Exit

- Press [STORE] button.



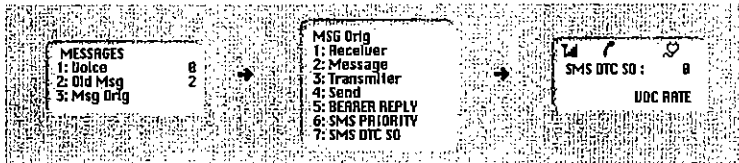
**4.4.3 The Service Option Setup For SMS Origination via Dedicated Traffic Channel (DTC)**

Your WLL terminal supports SMS Origination Service (IS-637A, TSB79). When you send SMS via a Dedicated Traffic Channel (DTC), DTC is originated with service option 6 or 14.

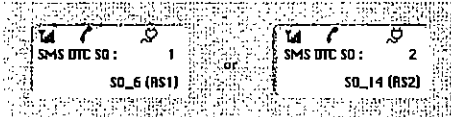
**4.4.3.1 Enter The DTC SO (Service Option) Set-up**

**① Enter the Priority menu**

- Press [MENU] button, and then press [7].



- Use [UP][DOWN] buttons to select the option you want:



- Press [STORE] save changes you have made.

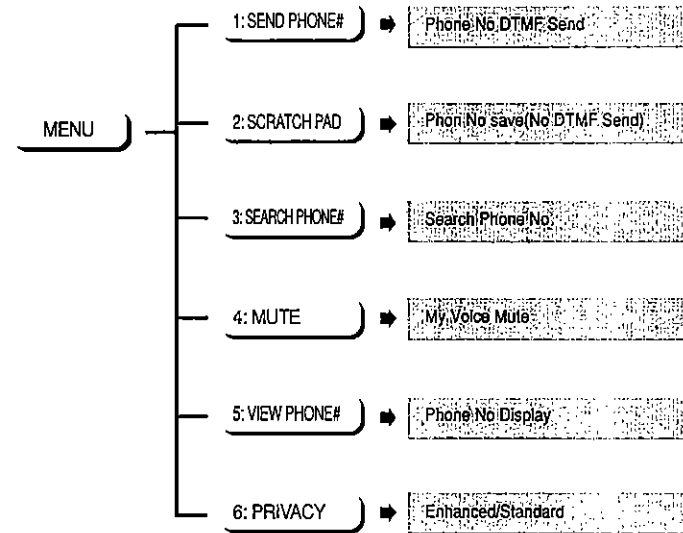
**4.4.3.2. The SMS DTC SO Table**

Key	SMS DTC SO	Value
[0]	VOC RATE	0
[1]	SO_6 (RS1)	1
[2]	SO_14(RS2)	2

- VOC RATE :  
DTC SO is auto-selected according to Voice Vocoder Setting (EVRC, 8K, or 13K).  
EVRC, 8K : SO\_6      13K : SO\_14
- SO\_6 (RS1) : DTC SO is fixed at SO\_6.
- SO\_14(RS2) : DTC SO is fixed at SO\_14.

**5. Using Menu Mode In Call Operation**

• Flow-Chart of Menu Operations In Call Operation



**5.1 Phone Number DTMF Send Function(SEND PHONE#)**

**5.2 Phone Number Save Function(SCRATCH PAD)**

**5.3 Search Phone Number Function(SEARCH PHONE#)**

**5.4 Voice Mute Function(MUTE)**

**5.5 Phone Number Display Function(VIEW PHONE#)**

**5.6. Privacy**



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<Appendix>

1. Troubleshooting

Problem	What To Do
o There is no indication on the LCD screen	o Make sure the terminal is turned on. If the switch is on, turn off the terminal and then turn it on again.
o "No Service" message is displayed on the LCD screen.	o The WLL terminal must be placed in the location where service coverage is available. If necessary, move the terminal to the serviced location.
o Your terminal beeps or you can hear nothing in the handset	o Your handset is not properly placed. Place the handset normally.
● Battery indication is blinking, and the terminal beeps periodically.	o The backup battery is discharged. Switch to the external power supply.
o There is no ring when a call comes.	● The ringer is switched off. Press [UP] button several times to adjust the ringer volume

*In case that simple remedy steps does not help, contact the local agency from where you have purchased the product, a service center or a qualified technician to solve the trouble.*

2. FWT Technical Specifications

Classification		HWP-2100
Air interface	Common air interface standard	IS-2000/IS-95B, TSE-741
	Frequency	TX: 824 ~ 849MHz RX: 869 ~ 894MHz
	Frequency accuracy	Fo ± 300Hz
	TX output power	(25dBm) above
	RX sensitivity	-104dBm below (at FER=0.5%)
	Vocoder	8K/13K QCELP 8K EVRC
	Channel bandwidth	CDMA 1.25MHz
	MOD/DEM0D	OQPSK/QPSK
Battery backup	Type	Ni-Cd
	Capacity	6.0V @ 1.3A
	Conversation time	2 ~ 3 hours
	Standby time	100 hours
	Serial port	. Data service purpose (Internet, Modem, PC fax) . Maintenance purpose
Physical	Dimension (D x W x H)	206 x 79 x 212 (mm)
	Weight (including backup battery)	1.142g
Environmental	Operating temperature	-10% ~ +50°C
Power supply	Input power	110 ~ 240VAC ± 15%, 47 ~ 63Hz
	Output power	DC 12V @ 1.3A
Etc	Accessories	. Internal antenna: Dipole antenna . Power supply (SMPS)

