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# TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b>CHAPTER 1 BEFORE USING YOUR PHONE</b> | <b>1</b>  |
| <b>Package Includes</b>                  | <b>2</b>  |
| <b>Handset Description</b>               | <b>3</b>  |
| <b>Basic Functions</b>                   | <b>4</b>  |
| The Function Keys                        | 4         |
| <b>Display Indicators</b>                | <b>5</b>  |
| Screen Status, Display and Function      | 5         |
| <b>Using the Battery</b>                 | <b>6</b>  |
| Using the Battery                        | 6         |
| Removing the Battery                     | 6         |
| <b>Charging the Battery</b>              | <b>7</b>  |
| Power Connection                         | 7         |
| Status of Charger LED                    | 7         |
| Charging the Battery with the Handset    | 8         |
| Charging the Battery Only                | 8         |
| <b>Important Battery Information</b>     | <b>9</b>  |
| <b>CHAPTER 2 BASIC OPERATION</b>         | <b>11</b> |
| <b>Turning the Phone On and Off</b>      | <b>12</b> |
| Turning the Phone On                     | 12        |
| Turning the Phone Off                    | 12        |
| <b>How to Use the Menu</b>               | <b>13</b> |
| <b>Menu Summary</b>                      | <b>14</b> |
| <b>Basic Functions</b>                   | <b>16</b> |
| Making a Call                            | 16        |
| Pause Feature                            | 17        |
| How to Answer Calls                      | 18        |
| Auto Answer                              | 18        |
| Caller ID Function                       | 18        |
| Call Waiting Function                    | 18        |
| Missed Call Display                      | 19        |
| How to Adjust Volume                     | 19        |
| Vibrate                                  | 19        |
| <b>Functions During a Call</b>           | <b>20</b> |
| Sending Your Number to a Pager           | 20        |
| Scratch Pad                              | 20        |
| Mute                                     | 21        |

## TABLE OF CONTENTS (CONT'D.)

|  |            |
|--|------------|
| <b>CHAPTER 3 MEMORY FUNCTION</b>                           | <b>.23</b> |
| <b>How to Store a Phone Number</b>                         | <b>.24</b> |
| How to Enter Letters and Characters Using the Dial Buttons | .25        |
| <b>How to Make a Call Using A Stored Phone Number</b>      | <b>.26</b> |
| One Touch/Two Touch Dialing                                | .26        |
| <b>How to Find Your Call Logs</b>                          | <b>.27</b> |
| Missed Calls   | .27        |
| Answered Calls   | .28        |
| Dialed Calls   | .28        |
| <b>How to Find Your Phone Book</b>                         | <b>.29</b> |
| Recalling by Memory Location Number                        | .29        |
| Recalling by Name (Alpha)                                  | .30        |
| <b>CHAPTER 4 MENU</b>                                      | <b>.31</b> |
| <b>Check Billing Feature</b>                               | <b>.32</b> |
| <b>Settings</b>  | <b>.33</b> |
| Auto Retry   | .33        |
| Auto Answer  | .34        |
| One-Touch Dialing  | .35        |
| Voice Privacy  | .35        |
| Backlight  | .36        |
| Display  | .36        |
| Ring Mode  | .38        |
| Ring Type  | .38        |
| <b>Volume</b>  | <b>.39</b> |
| Key Pad  | .39        |
| Ringer   | .40        |
| Earpiece   | .40        |
| <b>Timers</b>  | <b>.41</b> |
| Last Call  | .41        |
| All Calls  | .41        |
| Home Calls   | .41        |
| Roam Calls   | .41        |
| <b>Alerts</b>  | <b>.42</b> |
| Min Alert  | .42        |
| Roam Alert   | .42        |
| Fade Alert   | .42        |

## TABLE OF CONTENTS (CONT'D.)

|  |            |
|--|------------|
| Low Signal Alert                         | .43        |
| Connect Alert                            | .43        |
| Mail Alert                               | .43        |
| <b>Phone Info</b>                        | <b>.44</b> |
| Checking My Number                       | .44        |
| Checking the Phone Version               | .44        |
| <b>CHAPTER 5 SECURITY FEATURES</b>       | <b>.45</b> |
| <b>How to Lock Your Phone</b>            | <b>.46</b> |
| Auto Lock                                | .46        |
| Lock Code Change                         | .47        |
| <b>How to Change Your Banner</b>         | <b>.48</b> |
| Banner change                            | .48        |
| <b>How to Restrict Your Phone</b>        | <b>.49</b> |
| Restriction Functions                    | .49        |
| To Restrict Incoming Calls               | .49        |
| Restricting Outgoing Calls               | .50        |
| Restricting the Phone Book               | .51        |
| Restricting Long Distance Calls          | .51        |
| Restrict Calls to 900 Numbers            | .52        |
| <b>How to Reset Your Phone</b>           | <b>.53</b> |
| <b>How to Clear Your Phone Memory</b>    | <b>.54</b> |
| Clearing Stored Phone Numbers            | .54        |
| Clearing Schedule Contents               | .54        |
| <b>Memory Clearing Function</b>          | <b>.55</b> |
| Clearing Dialed Numbers In Call Logs     | .55        |
| Clearing Air Time In Home Service Area   | .55        |
| Clearing Roam Calls                      | .56        |
| <b>CHAPTER 6 SUPPLEMENTARY FUNCTIONS</b> | <b>.57</b> |
| <b>Schedule</b>                          | <b>.58</b> |
| View Schedule List                       | .58        |
| Input Schedule List                      | .59        |
| Pause All Schedule                       | .60        |
| <b>Melody Setup</b>                      | <b>.61</b> |
| Writing Melody                           | .61        |
| Entering Melody                          | .62        |
| Hearing Melody                           | .62        |
| Melody Speed                             | .63        |

## TABLE OF CONTENTS (CONT'D.)

|  |            |
|--|------------|
| Stopwatch .....  | .64        |
| Calculator .....   | .65        |
| Bio-Rhythm .....   | .66        |
| MEMO .....   | .67        |
| View Memo List .....   | .67        |
| Input Memo .....   | .68        |
| <b>CHAPTER 7 VOICE MAIL AND TEXT MESSAGES . . .</b>          | <b>.69</b> |
| <b>Receiving a Message</b> .....                             | <b>.70</b> |
| Direct View On .....   | .70        |
| Direct View Off .....  | .70        |
| <b>Checking Received Message</b> .....                       | <b>.71</b> |
| Checking Received Voice Mail Message .....                   | .71        |
| Checking Received Text Message .....                         | .72        |
| <b>Direct View</b> .....                                     | <b>.73</b> |
| Direct View Setting .....                                    | .73        |
| <b>Bell Type</b> .....                                       | <b>.73</b> |
| Bell Type Setting .....                                      | .73        |
| <b>CHAPTER 8 SAFETY .....</b>                                | <b>.75</b> |
| <b>Safety Information for Wireless Handheld Phones</b> ..... | <b>.76</b> |
| Driving Safety .....   | .77        |
| Electronic Devices .....                                     | .78        |
| Other Safety Guidelines .....                                | .80        |
| Precautions .....  | .81        |
| Warning .....  | .82        |
| <b>Safety Information for FCC RF Exposure</b> .....          | <b>.83</b> |
| Cautions .....   | .83        |
| <b>CHAPTER 9 WARRANTY .....</b>                              | <b>.85</b> |
| <b>Protect Your Warranty</b> .....                           | <b>.86</b> |
| <b>12 Month Limited Warranty</b> .....                       | <b>.87</b> |

## CHAPTER 1

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### BEFORE USING YOUR PHONE

Please read this chapter before using this product.

- ❶ Package Includes
- ❷ Handset Description
- ❸ Basic Functions
- ❹ Display Indicators
- ❺ Using the Battery
- ❻ Charging the Battery
- ❼ Important Battery Information

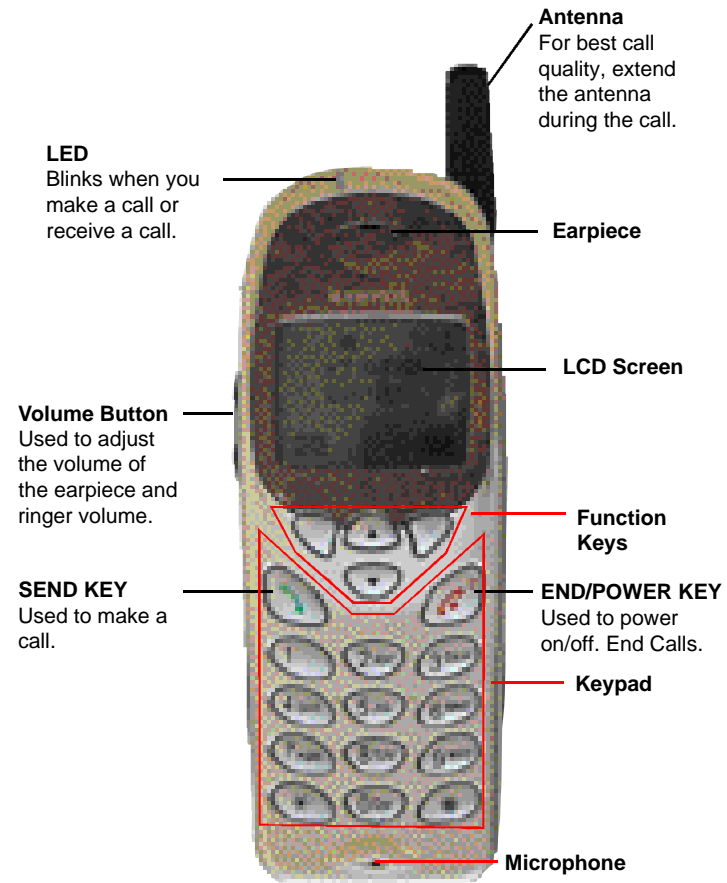
## PACKAGE INCLUDES

Thank you for purchasing this product. Please check the product contents by comparing them with the following pictures.



*In case there are any product defects, please report it to the place of purchase immediately.*

## HANDSET DESCRIPTION



## BASIC FUNCTIONS

### THE FUNCTION KEYS



This key is used to make or receive a call.



This key is used to terminate a call or exit the current menu. This key is used to turn the handset on or off.



**Scroll Keys:**  
These keys are used to scroll through the contents of the Menu.



(Soft 1) This key is used to access the Menu.



(Soft 2) This key is used to access voice or text messages.  
This key clears the digits or text from the display or memory.

## DISPLAY INDICATORS

### SCREEN STATUS, DISPLAY AND FUNCTION



#### Signal Strength

Indicates current signal strength. More lines mean better signal strength.






#### Roaming

Indicates the Phone is outside of its home area.



#### Service Indicator

When a call is in progress,  is displayed.  
When  is displayed, the phone is in idle mode.  
When  is displayed, the phone is not receiving a signal from the system.



#### Message

Indicates a text message or voice mail message is waiting.



#### Alarm

Indicates that the alarm is activated.



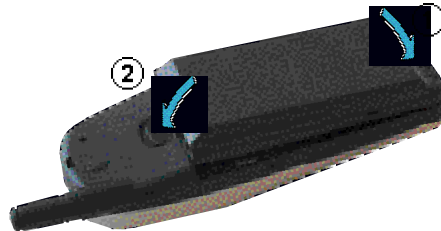
#### Battery

Indicates battery charge level status. The more black you see, the greater the charge.

## USING THE BATTERY

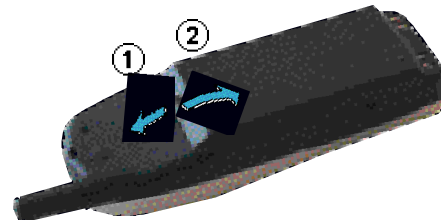
### USING THE BATTERY

- 1 ① Insert the bottom of battery into the groove at the bottom of the handset. Then ② press in the top of the battery until it snaps.



### REMOVING THE BATTERY

- 1 Push the tab ① with one hand and lift the top of the battery ② to separate.



[6]



The battery must be correctly placed in the battery compartment. If battery is incorrectly inserted, the handset will not turn on or the battery may slip out during use.

## CHARGING THE BATTERY



### POWER CONNECTION

- 1 Connect the charger to a standard 120V AC outlet. Insert the jack in the direction of arrow.



Do not use the supplied AC Adaptor into other products. Phone Makers are not responsible for the problem that may happen when user misuse the AC Adaptor.

### STATUS OF CHARGER LED

| Charging in Progress<br>(Red Color On)  | Charging Completion<br>(Green Color On)   |
|---|---|
|  |  |



If LED is off while battery is being charged, that may mean there could be something wrong with either the charger or battery.

[7]

## CHARGING THE BATTERY

### CHARGING THE BATTERY WITH THE HANDSET

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



*Charging the battery with the handset on is less efficient than charging it with the handset off.*

### CHARGING THE BATTERY ONLY

- 1 To charge the battery only, insert the battery pack charging slot on the charger.



- Battery is not charged when you purchase the product.
- Fully charge the battery before use.

## IMPORTANT BATTERY INFORMATION

Use only batteries and chargers approved by the phone manufacturer.

When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week; overcharging may shorten its life.

If left unused, a fully charged battery may completely drain (discharge) in 1 - 4 weeks.

Never use any charger or battery that is damaged or worn out.

Use the battery only for its intended purpose.

Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (e.g. coin, clip or pen) causes direct connection of the two terminals of the battery (metal strips on the back of the battery), for example, when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, reduces the capacity and lifetime of the battery. Always try to keep the battery between 41°F and 95°F (5°C and 35°C). A phone with a hot or cold battery may temporarily not work (or charge) even if the battery is fully charged.

Temperature extremes affect the ability of your battery to charge; allow it to cool down or warm up first.

When the battery is not in use, store it uncharged in a cool, dark and dry place.

The battery is a sealed unit with no serviceable parts. Do not attempt to open the case.

It is recommended that you allow your battery to fully discharge before you recharge it.

The battery can be charged and discharged hundreds of times but will eventually wear out. When the operating time is shorter than normal, it is time to buy a new battery.

Do not discard the battery into fire!

Dispose of used batteries in accordance with local regulations.

Recycle!



**MEMO**

## **CHAPTER 2**


---

### **BASIC OPERATION**

- ❶ Turning the Phone On and Off
- ❷ How to Use the Menu
- ❸ Menu Summary
- ❹ Basic Functions
- ❺ Functions During a Call

## TURNING THE PHONE ON AND OFF

### TURNING THE PHONE ON

- 1
  - Press [  ].
  - The phone is locked if "LOCKED" is displayed on the screen. When "LOCKED" is displayed, enter the 4-digit lock code to unlock the phone.
  - The default lock code is the last 4 digits of your phone number.









### TURNING THE PHONE OFF

- 1
  - Press [  ] until "Power off" is displayed.



- If the "LOW BATTERY WARNING POWER OFF" is displayed and the power goes off, there is a possibility of damaging the memory. Change or charge the battery immediately
- If the battery is removed while the phone is on, it may erase last call information.

## HOW TO USE THE MENU

- 1 In the standby screen, press [  ].
- 2 In the menu, use scroll keys to view the menu selections. If you press and hold the scroll keys, the menu scrolls automatically.  
Use the following to scroll:  
Manner on/off [ \* ], Entering Lock state [ # ],  
[  ], [  ], volume [ + ], volume [ - ], located on side of handset.
- 3 To go back to previous screen, press [  ] or To the exit menu, press [  ].
- 4 To go into submenu press the corresponding number.
- 5 [  ], [  ], and [  ] can be used while using the menu.

## MENU SUMMARY

### 1 : ✓ CHECK BILLING

### 2 : PHONE BOOK

- ▶ 1 : BY LOCATION
- 2 : BY NAME
- 3 : MY NUMBER

### 3 : CALL LOG

- ▶ 1 : CALL LOGS
  - 1 : MISSED CALL
  - 2 : ANSWERED CALL
  - 3 : DIALED CALL

### 4 : SCHEDULE

- ▶ 1 : SCHEDULE
  - 1 : LISTALL
  - 2 : INPUTSCHEDULE
  - 3 : PAUSE ALL

### 5 : SETTING

- ▶
  - 1 : AUTO RETRY
  - 2 : AUTO ANSWER
  - 3 : ONE-TOUCH
  - 4 : VOICE PRIVACY
  - 5 : BACKLIGHT
  - 6 : DISPLAY
    - 1 : LCD CONTRAST
    - 2 : LOGO DISPLAY
    - 3 : LANGUAGE
  - 7 : RING MODE (RINGER, SILENT, VIBRATE, SLIDE BELL)
  - 8 : RING TYPE

### 6 : VOLUME

- ▶
  - 1 : KEYPAD
  - 2 : RINGER
  - 3 : EARPIECE

### 7 : TIMER

- ▶
  - 1 : LAST CALL
  - 2 : ALL CALLS
  - 3 : HOME CALLS
  - 4 : ROAM CALLS

## MENU SUMMARY

### 8 : SPECIAL

- ▶ 1 : MY MELODY
  - 1 : WRITE MELODY
  - 2 : HEAR MELODY
  - 3 : MELODY SPEED
- 2 : STOPWATCH
- 3 : CALCULATOR
- 4 : BIORHYTHM
  - 1 : TODAY
  - 2 : SOMEDAY
  - 3 : BIRTHDAY
- 5 : MEMO
  - 1 : LISTALL
  - 2 : INPUTMEMO

### 9 : ALERTS

- ▶
  - 1 : MIN ALERT
  - 2 : ROAM ALERT
  - 3 : FADE ALERT
  - 4 : LOW SIG ALERT
  - 5 : CONNECTALERT
  - 6 : MAIL ALERT

### 0 : SECURITY

- ▶
  - 1 : AUTO LOCK
  - 2 : CHANGE CODE
  - 3 : CHANGE BANNER
  - 4 : RESTRICT
    - 1 : INCOMING
    - 2 : OUTGOING
    - 3 : MEMORY
    - 4 : LONG DISTANCE
    - 5 : 900#S
  - 5 : RESET
  - 6 : CLEAR
    - 1 : CLR NUMBER
    - 2 : CLR SCHEDULE
    - 3 : CLR CALLOGS
    - 4 : CLR HOME CALLS
    - 5 : CLR ROAM CALLS
  - 7 : VERSION



## BASIC FUNCTIONS

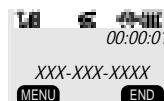
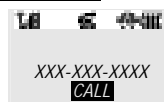
### MAKING A CALL

1


Enter the phone number.



How to modify the phone number you have entered:


- To erase the last number entered: Press [  ].
- To erase all numbers entered and start again: Press [  ] and hold for more than half of a second.



2

Press [  ].

- "CALL FAILED" message is displayed when the call does not connect.
- If the line is busy, press [  ]. Retry by pressing [  ].
- If you select the AUTO RETRY function, the call will be retried automatically for the time you have selected.


Press [  ] to end the call.

## BASIC FUNCTIONS

### PAUSE FEATURE

Pauses are used for automated systems (i.e., voice mail and calling cards). To insert Pauses:

1

Enter phone number, then press [  ].



2

Select desired pause.

- |                       |                               |
|-----------------------|-------------------------------|
| - When idling status; | - When Receiving call status; |
| 1 : STORE             | 1 : SEND PHONE #              |
| 2 : BY NUMBER         | 2 : SCRATCH PAD               |
| 3 : HARD PAUSE        | 3 : MUTE                      |
| 4 : ONE HYPHEN        | 4 : VIEW PHONE #              |
|                       | 5 : VOICE PRIVACY             |

#### Pause Definitions



- **HARD PAUSE:** If you enter the pause character (P), the number entered after the Pause character will be sent after the number dialed.

3


- Press [  ] to dial or [1] to store.

## BASIC FUNCTIONS

### HOW TO ANSWER CALLS

- 1 When phone rings or LED blinks press any key except Volume or [  ].
- 2 To end the call, press [  ].

### AUTO ANSWER

*This function allows an incoming.  
To enable this function press [  ],[5],[2].*



*If you set up the AUTO ANSWER function in advance, the call will be answered after the selected number of rings. (Refer to page 34)*

### CALLER ID FUNCTION



When there is an incoming call, the caller's phone number is displayed on the screen.



*The Caller ID number is saved in the call log.*



### CALL WAITING FUNCTION

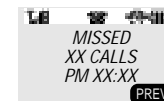
This function notifies you there is an incoming call when you are on the phone.

- To answer the call, press [  ] when you hear the beep.
- To switch back to the first caller, press [  ] again.

## BASIC FUNCTIONS


### MISSED CALL DISPLAY

- 1 Displays the number of missed calls and the time the call was missed.
  - The message will be cleared when you press the [  ] key or [  ].




### HOW TO ADJUST VOLUME

You can adjust the volume in two ways: by using the volume control keys on the side of the handset, or by using the menu.

- 1 Adjust volume by using the volume control keys during the following operation.
  - During a Call : Earpiece volume adjustment.
  - Standby Status : Ringer volume adjustment.
  - When the Phone Rings : Ringer volume adjustment.
  - Call status in hands-free : Hands-free volume adjustment. Press [  ] when the phone rings and it will mute the ringer.


### VIBRATE

This function disables the ringer and vibrates the phone any time an incoming call is in process. To enable this function press [  ], [5],[7] and select VIBRATE or by pressing the "up" and "down" keys at the left upper side of the phone.


## FUNCTIONS DURING A CALL


### SENDING YOUR NUMBER TO A PAGER

This function enables the phone number of the handset to be transmitted automatically to a pager, depending on pager service.

- 1 After calling a pager, when you are asked to enter your number, press and hold [  ] then [1] "SEND PHONE #".

### SCRATCHPAD

- 1 While in a call press and hold [  ], then [2] "SCRATCHPAD".

- 2 Enter the phone number, then press [  ].

## FUNCTIONS DURING A CALL

### MUTE

- 1 Press [  ], then [3] "Mute".



To unmute, press [  ], then [3] "Mute" again.

# CHAPTER 3


---

## MEMORY FUNCTION

- ❶ How to Store a Phone Number
- ❷ How to Make a Call Using a Stored Phone Number
- ❸ How to Find Your Call Logs
- ❹ How to Find Your Phone Book

## HOW TO STORE A PHONE NUMBER

You can store up to 100 frequently used phone numbers in memory.


**1** Enter the phone number you want to store and press [  ], then [1] "Store"

- The first available Initial empty memory location number is displayed. If there is no empty location, "MEMORY SPACE IS FULL!" is displayed with a warning sound.
- If there is a desired memory location number, enter the number.




**2** If the "OVERWRITE?" message appears after entering the memory location number, it means there is another stored phone number in that location already.

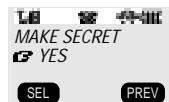



Select "YES/NO" and press [  ] "SEL".

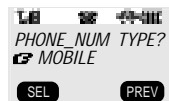
- Yes: Deletes the previously stored number and stores the new one.
- No: Keeps the previously stored number.

**3** Enter the person's name and press [  ].

- To make secret, select Yes. It can then be displayed only when the lock code is entered.



**4** Search mobile/office/home type and then Press [  ].








## HOW TO STORE A PHONE NUMBER

### How to Enter Letters and Characters Using the Dial Buttons

1. Select characters you wish to enter using the key pad.

| Key Pad | 1 Repetition | 2 Repetition | 3 Repetition | 4 Repetition | 5 Repetition |
|---------|--------------|--------------|--------------|--------------|--------------|
| 1       | 1            |              |              |              |              |
| 2ABC    | A            | B            | C            | 2            |              |
| 3DEF    | D            | E            | F            | 3            |              |
| 4GHI    | G            | H            | I            | 4            |              |
| :       | :            | :            | :            | :            | :            |
| 9WXYZ   | W            | X            | Y            | Z            | 9            |

- Press [  ] to toggle between upper and lower case.
  - When entering special characters such as 0.,?!@\_+ =()\*#;:/, press [  ] repeatedly. The special characters will be displayed in order.
2. Press [  ] to enter the next character.
- Cuser moves to the next column automatically in two seconds after the next character.
3. Repeat until all the characters you want are entered.
- You can store up to 16 characters.
4. Erasing Entry.
- To erase one letter, press [  ].
  - To erase the entire entry, press and hold [  ].



## HOW TO MAKE A CALL USING A STORED PHONE NUMBER

### ONE TOUCH/TWO TOUCH DIALING

This feature allows the phone book entries to be dialed via the keypad.

#### ONE TOUCH DIALING:

1-9 : Press corresponding memory number and hold for more than 1 second.

#### TWO TOUCH DIALING:

00, 10-99 : press the first digit and second digits of the memory number short and long respectively.

- If no phone number is stored in the location depressed, "Empty Location" will appear on the screen.
- If a phone number is stored in the secret location, the number is not displayed when making a call.



One touch dialing must be turned on in the handset. See page 35.

## HOW TO FIND YOUR CALL LOGS

Your phone can display the 10 most recent missed, incoming, outgoing calls. You can call those numbers without dialing their whole number.

### MISSED CALLS

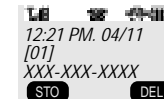
- 1 Press [ ] then [3] then [1]



- 2 Press [ ] to check the detail information about phone number.

- The last missed call, its phone number, time and date are displayed.

- 3 To check your missed calls using the scroll keys:




- [ ] Scrolls up the phone numbers.
- [ ] Scrolls down the phone numbers.


- 4 Press [ ] to dial desired missed call number.

## HOW TO FIND YOUR CALL LOGS


### ANSWERED CALLS


Press [  ] then [3] then [2]. (Refer to previous page)

- The last answered call, its phone number, time and date are displayed.

Press [  ] to dial desired dialed call number. (Refer to previous page)

### DIALED CALLS

Press [  ] then [3] then [3].

Press [  ] to dial desired dialed call number. (Refer to previous page)

- The last outgoing call, its phone number, time and date are displayed.

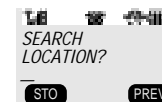
## HOW TO FIND YOUR PHONE BOOK

### RECALLING BY MEMORY LOCATION NUMBER

1 Press [  ] then [2] then [1].







2 Enter the memory location number.


- If you don't enter a specific memory location number, use the scroll key to search from the first memory location number.



3 Search phone numbers using scroll key.




- [  ] edit the phone number.
- [  ] erase the phone number.
- [  ]/[  ] search mobile/office/home number.
- [  ]/[  ] search phone number.

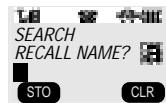
4 Press [  ] to dial desired phone book number.

## HOW TO FIND YOUR PHONE BOOK







### RECALLING BY NAME (ALPHA)


**1** Press [  ] then [2] then [2].

**2** Enter the alpha (or part of the alpha).  
Then press [  ].



**3** To locate the phone number using the scroll key.

- [  ] edit the phone number.
- [  ] erase the phone number.
- [  ]/[  ] search mobile/office/home number.
- [  ]/[  ] search phone number.

**4** Press [  ] to dial.

## CHAPTER 4

### MENU


Please read this chapter before using this product.

- ① Check Billing Feature
- ② Settings
- ③ Volume
- ④ Timers
- ⑤ Alerts
- ⑥ Phone Info

## CHECK BILLING FEATURE

This allows you to automatically dial our customer care center to check your phone bill balance.

---

**1** Press [  ] then [1].

---

**2** ✓ “CHECK BILLING” and the phone number will show on the screen and the phone will automatically dial customer service.


## SETTINGS

### AUTO RETRY

When a call is not connected, this function retries the call automatically at a set interval or amount or retries.


#### INTERVAL

---

**1** Press [  ] then [5] then [1] then [1].


---

**2** Select the parameter (OFF, 5 , 10 , 20 , 30 SECONDS) by using the scroll.

Key Press [  ].


#### REPEAT

---

**1** Press [  ] then [5] then [1] then [2].

---

**2** Select the parameter ( 1 , 5 , 10 TIMES) by using the scroll.


Key Press [  ].

## SETTINGS

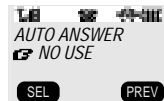
### AUTO ANSWER

This function answers an incoming call automatically after a number of rings that the user sets.

**1** Press [  ] then [5] then [2].

**2** Select the parameter (NO USE, 1, 3 RINGS) by using the scroll keys. Press [  ] to set.

- Auto answer function does not work if you select [SILENT] or [VIBRATE] or [SLIDE BELL].




## SETTINGS

### ONE TOUCH DIALING


This function allows the phone book entries to be dialed via the keypad.

**1** Press [  ] then [5] then [3]

**2** Select the parameter (NO, YES) by using the scroll keys. Press [  ].

### VOICE PRIVACY



**1** Press [  ] then [5] then [4]

**2** Select the parameter (STANDARD, ENHANCED MODE) by using the scroll keys. Press [  ].

## SETTINGS

### BACKLIGHT



This function allows you to adjust time to light up the screen, so that you can conveniently use the phone even in dark places.

- 1 Press [  ], then [5], then [5],
- 2 Select the parameter (OFF, OFF IN DAY, 10 SECS, 5 SECS, 3 SECS) by using the scroll keys. Press [  ].

### DISPLAY

This function adjusts the LCD screen contrast.



#### LCD CONTRAST

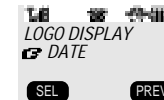
- 1 Press [  ], then [5], then [6],[1]
- 2 Select the contrast level by using the scroll keys Press [  ].





## SETTINGS

### LOGO DISPLAY

- 1 Press [  ] then [5] then [6],[2]
- 2 Select the parameter Banner(Date,World MAP) by using the scroll keys. Press [  ].





### LANGUAGE

- 1 Press [  ] then [5] then [6],[3].
- 2 Select the Language (ENGLISH,SPANISH) by using the scroll keys. Press [  ].








## SETTINGS

### RING MODE







- 1 Press [  ], then [5], then [7].
- 2 Select the parameter (RINGER,SILENT,VIBRATE,SLIDE BELL) by using the scroll keys.
- 3 Press [  ].

### RING TYPE

- 1 Press [  ], then [5], then [8].
- 2 Select the parameter (1-18) by using the scroll keys.
  -  Different tones (1-6).
  -  Different melodies (7-13).
  -  My melodies (14-18).
- 3 Press [  ].


## VOLUME

### KEY PAD





- 1 Press [  ], then [6], then [1] the volume of for keypad
  - If the warning alarm sounds because of low battery, the sound will not be heard even if the user presses the button.
- 2 Select the volume level by using the scroll keys.
  - [  ]/[  ] scroll up to increase volume.
  - [  ]/[  ] scroll down to lower volume, or setting to Silent.
- 3 Press [  ].

## VOLUME

### RINGER


**1** Press [  ], then [6], then [2] the volume for ringer

**2** Select the volume level by using the scroll keys.





- [  ]/[  ] scroll up to increase volume.
- [  ]/[  ] scroll down to lower volume, or setting to Silent.

**3** Press [  ].

### EARPIECE

**1** Press [  ], then [6], then [3] the volume for earpiece

**2** Select the volume level by using the scroll keys.

- [  ]/[  ] scroll up to increase volume.
- [  ]/[  ] scroll down to lower volume, or setting to Silent.

**3** Press [  ].

## TIMERS

### LAST CALL

**1** Press [  ] then [7] then [1]

### ALL CALLS

**1** Press [  ] then [7] then [2]

### HOME CALLS

**1** Press [  ] then [7] then [3]


### ROAM CALLS

**1** Press [  ] then [7] then [4]




## ALERTS

### MIN ALERT


- 1 Press [  ] then [9] then [1].  
This function sounds an alert in every minute, letting you know the call lapse time.

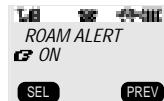



- 2 Select the parameter (ON,OFF) by using the scroll keys. Press [  ].

### ROAM ALERT

This function sounds an alert and gives out a message when the handset enters a new service area, when it enters another service area, or when it leaves the user service area.


- 1 Press [  ] then [9] then [2].

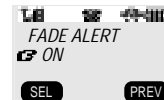



- 2 Select the parameter (ON,OFF) by using the scroll keys. Press [  ].

### FADE ALERT

This function sounds alert when the phone can make calls due to poor signal strength.

- 1 Press [  ] then [9] then [3].




- 2 Select the parameter (ON,OFF) by using the scroll keys. Press [  ].

[42]


## ALERTS

### LOW SIGNAL ALERT

This function sounds alert when the signal of a received call is weak


- 1 Press [  ] then [9] then [4].

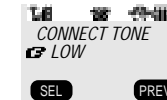



- 2 Select the parameter (ON,OFF) by using the scroll keys. Press [  ].

### CONNECT ALERT

This function sounds an alert when the call is mode.


- 1 Press [  ] then [9] then [5].




- 2 Select the parameter (OFF,LOW,MID,HIGH) by using the scroll keys. Press [  ].

### MAIL ALERT

This function sounds an alert when you receive a voice mail message.

- 1 Press [  ] then [9] then [6].




- 2 Select the parameter (ON,OFF) by using the scroll keys. Press [  ].

[43]

## PHONE INFO

### CHECKING MY NUMBER


This is a function to check the telephone number of the handset currently in use.

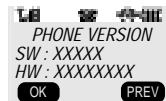
- 1 Press [  ] then [2]  
then then [3].



### CHECKING THE PHONE VERSION

This function checks the version of the handset currently in use.

- 1 Press [  ] then [0]  
then Enter [PASSWORD] then [7]



## CHAPTER 5


### SECURITY FEATURES

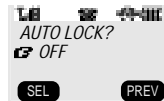
- ① How to Lock Your Phone
- ② How to Change Your Banner
- ③ How to Restrict Your Phone
- ④ How to Reset Your Phone
- ⑤ How to Clear Your Phone Memory
- ⑥ Memory Clearing Function


## HOW TO LOCK YOUR PHONE

### AUTO LOCK

This function prevents any other person from using the handset without permission. When it is locked, the handset can be used to dial or use any other function.

- 1 Press [  ] then [0] then enter [PASSWORD] then [1].
  - The default lock code is the last 4 digits of your phone number.



- 2 Select the parameter (OFF, POWER ON, ON) parameter by using the scroll keys. Press [  ].
  - "POWER ON?" locks the handset upon powering on the handset each time.
  - "OFF" unlocks the handset and leaves it unlocked.






*Incoming calls, emergency dialing and alarm functions are enabled when the handset is locked.*

## HOW TO LOCK YOUR PHONE

### LOCK CODE CHANGE

This function is used to change the 4-digit lock code.

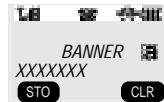
- 1 Press [  ] then [0] then enter [PASSWORD] then [2].
  - The default lock code is the last 4 digits of your phone number.
- 2 Enter 4-digit new "PASSWORD". Press [  ].
- 3 Re-enter the new "PASSWORD". Press [  ].

## HOW TO CHANGE YOUR BANNER

### BANNER CHANGE

This function changes the banner displayed on the LCD.  
You can enter a banner up to 16 characters long.

- 1 Press [  ] then [0] then enter [PASSWORD] then [3].



- 2 Enter a banner using instructions for alpha keys on page 30.

## HOW TO RESTRICT YOUR PHONE


### RESTRICTION FUNCTIONS

You can restrict six different functions.

- 1 Press [  ] then [0] then enter [PASSWORD] then [4].



- The default lock code is the last 4 digits of your phone number.

- 2 Using the scroll buttons, select "YES".  
Press [  ].


### TO RESTRICT INCOMING CALLS

When this function is enabled, the phone does not respond to incoming calls. However, outgoing calls can still be made.

- 1 Press key [1] "INCOMING".



- 2 Select the parameter by using the scroll keys.  
RESTRICT: to restrict incoming calls.  
ALLOW: to allow incoming calls.

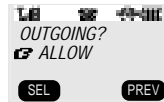
- 3 Press [  ].

## HOW TO RESTRICT YOUR PHONE

### RESTRICTING OUTGOING CALLS

When this function is enabled, incoming calls can be answered, but outgoing calls cannot be made. It is still possible to make emergency calls.

- 1 Press key [2] "OUTGOING".



- 2 Select the parameter by using the scroll keys.  
RESTRICT: to restrict outgoing calls.  
ALLOW: to allow outgoing calls.

- 3 Press [ ].

## HOW TO RESTRICT YOUR PHONE

### RESTRICTING THE PHONE BOOK

This function blocks the storage of phone numbers or the use of stored phone numbers.

- 1 Press key [3] "MEMORY".

- The default lock code is the last 4 digits of your phone number.

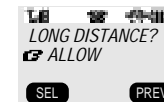


- 2 Select the parameter by using the scroll keys.  
RESTRICT: restricts phone book.  
ALLOW: allows phone book use.

- 3 Press [ ].

### RESTRICTING LONG DISTANCE CALLS

- 1 Press key [4] "LONG DISTANCE".



- 2 Select the parameter by using the scroll keys.  
RESTRICT: restricts long distance calls.  
ALLOW: allows long distance calls.

- 3 Press [ ].

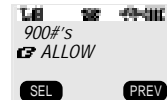
## HOW TO RESTRICT YOUR PHONE

### RESTRICT CALLS TO 900 NUMBERS

1 Press key [5] "900 #S".

2 Select the parameter by using the scroll keys.

RESTRICT: restricts 900 service.  
ALLOW: allows 900 service.



3 Press [ ].

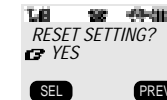


The message "THIS PHONE IS RESTRICTED" is displayed on the screen.

## HOW TO RESET YOUR PHONE

This function resets each value set in the memory to its default value.

1 Press [ ] then [0] then enter [PASSWORD] then [5].



2 Select the parameter by using the scroll keys. Press [ ].

- If you select "YES", the phone will be automatically turned off and on.

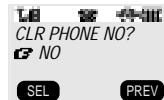
## HOW TO CLEAR YOUR PHONE MEMORY


### CLEARING STORED PHONE NUMBERS

This function clears all stored numbers.

- 1 Press [  ] then [0] then enter [PASSWORD] then [6] then [1].

The default lock code is the last 4 digits of your phone number.



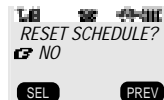
- 2 Select the parameter (NO, YES) by using the scroll keys. Press [  ].


### CLEARING SCHEDULE CONTENTS

This function clears all schedule contents and reserved call information.

- 1 Press [  ] then [0] then enter [PASSWORD] then [6] then [2].

The default lock code is the last 4 digits of your phone number.



- 2 Select the parameter (NO, YES) by using the scroll keys. Press [  ].

## MEMORY CLEARING FUNCTION


### CLEARING DIALED NUMBERS IN CALL LOGS

This function clears dialed number in call logs.

- 1 Press [  ] then [0] then enter [PASSWORD] then [6] then [3].

The default lock code is the last 4 digits of your phone number.



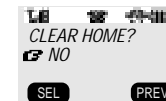
- 2 Select the parameter (NO, YES) by using the scroll keys. Press [  ].


### CLEARING AIR TIME IN HOME SERVICE AREA

This function clears air time used in home service areas.

- 1 Press [  ] then [0] then enter [PASSWORD] then [6] then [4].

The default lock code is the last 4 digits of your phone number.




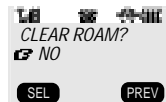
- 2 Select the parameter (NO, YES) by using the scroll keys. Press [  ].


## MEMORY CLEARING FUNCTION

### CLEARING ROAM CALLS

This function clears air time used in other service areas.

- 1 Press [  ] then [0] then enter [PASSWORD] then [6] then [5].  
  
The default lock code is the last 4 digits of your phone number.



- 2 Select the parameter (NO, YES) by using the scroll keys. Press [  ].

## CHAPTER 6

### SUPPLEMENTARY FUNCTIONS

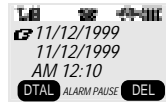
- ① Schedule
- ② Melody Setup
- ③ Stopwatch
- ④ Calculator
- ⑤ Bio-Rhythm
- ⑥ Memo



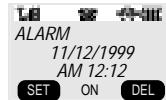
# SCHEDULE

## VIEW SCHEDULE LIST

- 1 Press [ ] then [4] then [1].
- By pressing the [ ] you can view the more details about each item.



- 2 By pressing the [ ] you can select if this alarm sounds or not.

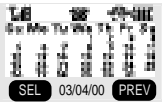


# SCHEDULE

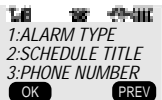
## INPUT SCHEDULE LIST

- 1 Press [ ] then [4] then [2].

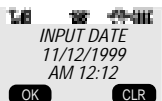
- 2 Select the date in calendar and press the [ ].
- [ ] [ ] -month input.
- [ ] [ ] , numeric key -day input.



- 3 Press [1], and select the parameter (one time or daily).  
To set alarm, press [2] and input the schdule title.  
To set reserved call, press [3] and input the phone number.  
And, press [ ].



- 4 Input the time and press [ ].
- [ ] [ ] -AM/PM selection.
- numeric key-hour/minute input.
- [ ] [ ] -move position.




## SCHEDULE

### PAUSE ALL SCHEDULE

You can make all schedule pause temporarily.


**1** Press [  ] then [4] then [3].



**2** Select the parameter (NO,YES) by using the scroll keys. Press [  ].




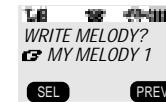
## MELODY SETUP


### WRITING MELODY


**1** Press [  ] then [8] then [1] then [1].

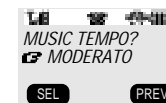
**2** By pressing the [  ] select the melody title and enter a melody via the key pad. Press [  ] to store melody.


- If you select previously entered melody, "OVERWRITE?" is displayed.
- By pressing the [  ], the previously entered melody is played with musical note displayed on the screen.
- You can edit previously entered melody.
- 'Ongdalsaem' is default melody.



**3** Press [  ] after entering melody speed. ([3])

- Speed : Select the Parameter (Moderato, Allegro, Largo... by using the scroll keys) and Press [  ]



**4** Press [  ] after entering the title of the melody

- Select the parameter you want.
- Entered melody is added to the ringer type list.



## MELODY SETUP

### ENTERING MELODY

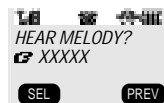
- When you press dial key ①, a quarter note is displayed.
  - The dial keys ①, ②, ③, ④, ⑤, ⑥, ⑦ correspond to musical notes do, re, mi, fa, sol, ra, ti, do, respectively.
- Select the length of tone by pressing [ ] in sequence while the quarter note is displayed.
- When you press [ ], # sign is displayed under the musical note and it changes to a half note.
- To enter a pause, press [ ] in sequence after pressing [8] and select the length of a pause.
- It is possible to move and edit musical notes by pressing volume keys [+]/[-]/[▲]/[▼].
- To add musical notes while you edit, hold [ ] and enter the note.
- To delete the note, press [ ].
- Press [ ] to play back the melody you've entered.
- When you enter 11 notes, the screen moves to the next screen.
  - You can enter up to 100 notes.

### HEARING MELODY

1 Press [ ] then [8] then [1] then [2].

2 The title of melody is displayed.

- The melody gets played when pressing [ ].
- Press [ ] to stop the melody.
- If there is no entered melody, 'Ongdalsaem' will be played.



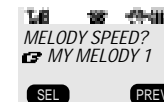
## MELODY SETUP

### MELODY SPEED

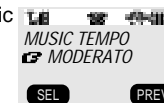
1 Press [ ] then [8] then [1] then [3].

2 By pressing the [ ] select the melody title you want to change the speed.

3 By pressing the [ ] select the melody speed.



4 By pressing the [ ] select the music tempo





## STOPWATCH


### STOPWATCH

- 1 Press [  ] then [8] then [2]



- 2 Press [  /  ] to control the stopwatch.

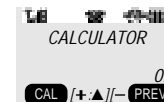
- [  ] controls Start/Stop/Split
- [  ] controls Split/Split Release /Reset
- The time unit displayed on the LCD in 1/100 of a second.

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









## CALCULATOR

### CALCULATOR

- 1 Press [  ] then [8] then [3]



- 2 Using the calculator.

- Definitions
  - + : [  ], - : [  ], × : [  ]
  - ÷ : [  ], = : [  ], . : [  ]
- Up to 7 integer digits and up to 2 decimals can be displayed. If the calculated result has more than 7 digits, the result is displayed in 7 digit logarithm
- There is no (-)sign. To express a negative number, use '0' '-(minus sign)' 'value'
- EXAMPLE
  - To calculate  $128 \times 32 =$
  - 1. Enter 128
  - 2. Press [  ]
  - 3. Enter 32
  - 4. Press [  ]

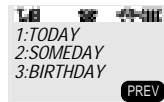
## BIO-RHYTHM

This function identifies the biorhythms of today or a specific day using solar calendar.

**1** Press [  ] then [8] then [4].

**2** Press key [3] "BIRTHDAY".

- Enter your solar calendar birthday in year/month/date, and then press [OK].




**3** To find out today's bio-rhythm, select TODAY BIO and to find out bio-rhythm of a specific day, select SOMEDAY BIO.


- Bio-rhythm function is available only when the phone can register the current time from the network system.
- For Some Day Bio, you cannot enter the dates before your birthday.
- For Birthday, you cannot enter the dates later than today date.

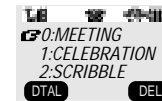
- Physical, Emotional and intelligent quotients appear with a number showing how many days have passed since your birth date for the date you want to find out Bio-rhythm displayed on the top portion of the screen.
- What is Bio-rhythm?  
Bio-rhythm is a life rhythm which is governed by three rhythm curves called physical, emotional, and intelligent and starts from our body from our birth to death.
- ① Physical rhythm
  - This rhythm controls wide-ranging physical elements related to resistance to diseases, physical strength, adjustment of muscle exercise, speed, physiology and other basic physical functions with a cycle of 23 days.
- ② Emotional rhythm.
  - This rhythm adjusts creativity, sensitivity, mental health and recognition about world and humans with a cycle of 28 days.
- ③ Intelligent rhythm.
  - This rhythm affects our memory, susceptibility to fright, acceptance of knowledge and logical and analytic power with a cycle of 33 days.


## MEMO

### VIEW MEMO LIST

**1** Press [  ] then [8] then [5] then [1].

By pressing the [  ] you can view the more details about each item.




**2** By pressing the [  ] you can view the more details about each item.





# MEMO

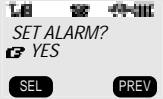
## INPUT MEMO


- 1



Press [  ] then [8] then [5] then [2].




- 2

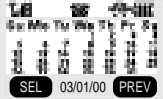
Select the parameter (NO,YES) by using the scroll keys. Press [  ].



- 3



Select the date in calendar and press the [  ].

[  ] [  ]-month input.



[  ] [  ] , numeric key  
-day input.

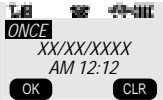

- 4

Input the time and press [  ].

[  ] [  ]-AM/PM or  
ONCE/DAILY Selection.

numeric key-day input.

[  ] [  ]-position movement.



# CHAPTER 7

## VOICE MAIL AND TEXT MESSAGE

This chapter describes convenient functions that allow you to check voice mail and receive text messages with the handset.

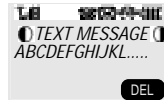
- ① Receiving a Message
- ② Checking Received Message
- ③ Direct View
- ④ Bell Type

## RECEIVING A MESSAGE

### DIRECT VIEW ON

- 1 When message is received, displays the following message.

[][]-display text  
[]-delete message



### DIRECT VIEW OFF

- 1 When message is received, displays the following message.

You can view the message in the SMS menu



## CHECKING RECEIVED MESSAGE

### CHECKING RECEIVED VOICE MAIL MESSAGE

- 1 Press [].


- 2 Press [1] "VOICE MAIL".


- It displays the number of voice mail messages currently received in your voice mailbox.
- To access your voice mailbox, press [].





## CHECKING RECEIVED MESSAGE

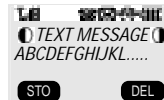
### CHECKING RECEIVED TEXT MESSAGE

- 1 Press [  ] and press [2] "TEXT MAIL".

- 2 To read new mail, Press [1].  
Then press [  ] and you can view the details.

To store this mail, press [  ]

To erase this mail, press [  ]




## DIRECT VIEW

### DIRECT VIEW SETTING

When text message is received, displays text directly on the screen

- 1 Press [  ], then press [3]

- 2 Select the parameter (OFF,ON) by using the scroll keys.

Press [  ].




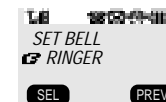
## BELL TYPE

### BELL TYPE SETTING

When text message is received, sound selected bell.

- 1 Press [  ], then press [4].

- 2 Select the parameter (RINGER, VIBRATE, SILENT) by using the scroll keys.  
Press [  ].





## CHAPTER 8

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### SAFETY

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld Portable  
Cellular Telephone

### EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) \*  
NCRP Report 88 (1986) \*  
ICNIRP (1996) \*

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

\* ;  
American National Standards Institute;  
National Council on Radiation Protection and Measurements;  
International Commission on Nonionizing Radiation Protection.

### ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### DRIVING SAFETY

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them.

Also, if using your phone while driving please:

- Give full attention to driving. Driving safety is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes.

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

**WARNING: Failure to follow these instructions may lead to serious personal injury and possible property damage.**

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

#### Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

If you have a pacemaker:

- ALWAYS keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

#### Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### ELECTRONIC DEVICES

#### Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

#### Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

#### Posted Facilities

Turn your phone OFF where posted notices so require.

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### OTHER SAFETY GUIDELINES

#### Aircraft

FCC Regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

#### Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

#### Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or articles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating the equipment, read all instructions and cautionary markings on (1) AC Adaptor (2) Battery and (3) Product Using Battery.

1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.
3. DO NOT expose this equipment to rain or spilled beverages.
4. DO NOT use unauthorized accessories.
5. DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized audiovox cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
6. DO NOT short-circuit the battery terminals by metal items etc.

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### WARNING

The following offenses are punishable by fine, imprisonment, or both:

- Using obscene, indecent, or profane language.
- Using the unit to give off false distress calls.
- Wiretapping or otherwise intercepting a telephone call, unless that person has first obtained the consent of the parties participating in the call.
- Making anonymous calls to annoy, harass, or molest other people.
- Charging to an account without authorization to avoid payment for service.
- Refusing to yield a party line when informed that it is needed for an emergency call (It is also unlawful to take over a party line by stating falsely that it is needed for an emergency).

## SAFETY INFORMATION FOR FCC RF EXPOSURE



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

### CAUTIONS

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

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

#### Body-worn Operation

This device was tested for typical body-worn operation with the back of the phone kept 0.5 inches (1.27cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.5 inches (1.27cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. All belt-clips, holsters and similar accessories used by this device must not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure limits and should be avoided.

#### Vehicle Mounted External Antenna(optional, if available)

A minimum separation distance of 7.9 inches (20cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

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

## CHAPTER 9

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### WARRANTY

- ❶ Protect Your Warranty
- ❷ 12 Month Limited Warranty

## PROTECT YOUR WARRANTY

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

“Warranty does not apply to... or to any product or part thereof which has suffered through alteration... mishandling misuse, neglect or accident”.

Many companies are making look alike accessories and in some cases, promoting that their product is equal to or better than the Audiovox product. Be careful. Some of these products may not be compatible to use with your Audiovox product and may damage the unit or cause it to malfunction. If service is required on your unit and it is determined that a non-Audiovox accessory has created the problem with your unit the Warranty will not apply. In addition if the unit has already suffered irreversible damage by reason of a non-compatible accessory the Warranty will be voided. To protect your Warranty use only compatible accessories which cannot damage or interfere with the functioning of your Audiovox product.



### AUDIOVOX COMMUNICATIONS CORP.

555 Wireless Blvd., Hauppauge, New York 11788, 631-233-3300  
16808 Marquardt Avenue, Cerritos, California 90703, 562-802-5100  
Audiovox Canada  
405 Britannia Rd, East, Ste 101, Mississauga, Ontario,  
Canada L4Z3E8, 905-712-9299

## 12 MONTH LIMITED WARRANTY

AUDIOVOX COMMUNICATIONS CORP.(the Company). warrants to the original retail purchaser of this Audiovox Handheld Portable Cellular Telephone, that should this product or any part thereof(except the items listed below), under normal use and conditions, be proven defective in material or workmanship within the first twelve (12)month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts)at the Company's option, without charge for parts or labor directly related to the defect(s).

The keypad and display are similarly warranted for ninety (90) days from date of purchase.

The accessories consisting of the antenna and rechargeable battery pack, desktop charger are similarly warranted for twelve (12) months from original purchase.

This Warranty does not apply to batteries, fuses, or costs incurred for testing or checking, or to any product or part hereof which has suffered through alteration, serial number defacement, improper installation, excessive temperature or humidity, environmental conditions, mishandling misuse, neglect or accident. This Warranty is not assignable or transferable.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of warranty coverage, specification of defect(s), transportation prepaid, to the Company at the address shown below. For TRAVELERS WARRANTY SERVICE.

## 12 MONTH LIMITED WARRANTY

Call toll free to (800) 229-1235 (in N. Y. State. (631)233-3410) for reference to an Authorized Warranty Station in your area.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

The Company disclaims liability for geographic coverage, inadequate signal to antenna, communications range or operation of the Cellular System as a whole.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.

## 12 MONTH LIMITED WARRANTY

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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**IN CANADA:** Audiovox Canada Ltd.  
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(905)712-0299