

# DX-20B

REV. 00

DUAL-MODE CDMA DIGITAL  
WIRELESS HANDSET  
Owner's Manual



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**HYUNDAI**

## FCC RF EXPOSURE INFORMATION

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



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



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

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

### **Body-worn Operation**

This device was tested for typical body-worn operations with the Holster providing a minimal spacing of 2.5 cm. from the body to the back of the phone/antenna. To maintain compliance with FCC RF exposure compliance requirements, use only belt-clips, holsters or similar accessories that maintain a 2.5 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of third-party belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure compliance requirements, and should be avoided.

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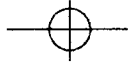
## CHAPTER 1

### BEFORE USING YOUR PHONE

Please read this chapter before using this product.

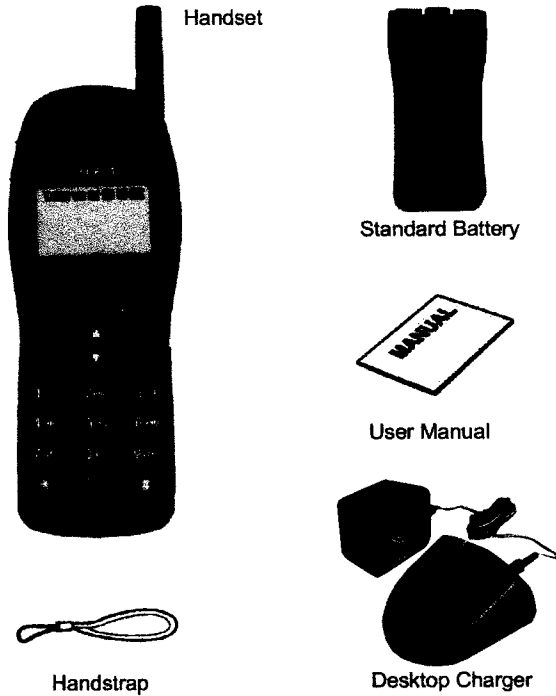
- ① Package Includes
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- ③ Basic Functions
- ④ Display Indicators
- ⑤ Using the Battery
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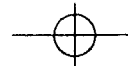
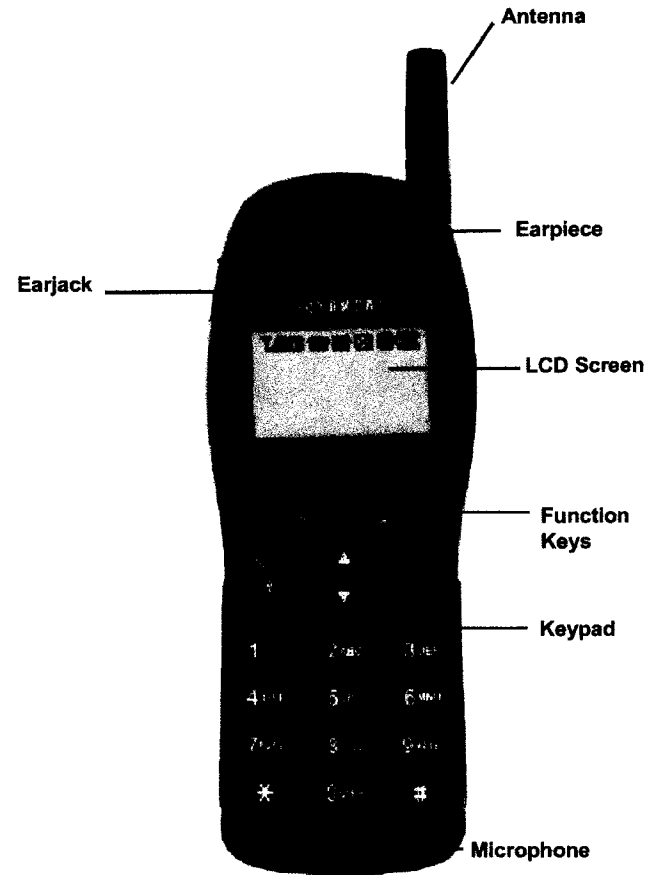
## PACKAGE INCLUDES

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 them 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.



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.

## DISPLAY INDICATORS

### SCREEN STATUS, DISPLAY AND FUNCTION



#### Signal Strength

Indicates current signal strength. The more lines, the stronger the signal.






#### 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.



#### Digitizing

Digital service is available



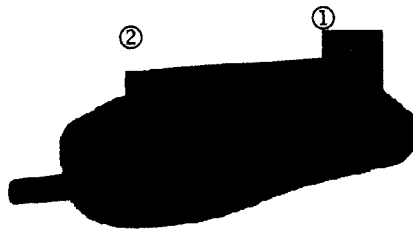
#### Battery

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

## USING THE BATTERY

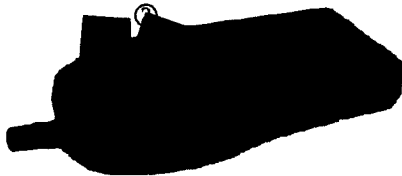
### INSTALLING THE BATTERY


- 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 (Red Color On)	Charging Completion (Green Color On)
	



- It is recommended that you have to check out cleanness of the battery's contact surface if the LED has a flickering.
- LED may change from red to green back and forth after battery is full charged, but it doesn't mean any problem with charging battery.

[7]



## CHARGING THE BATTERY

### TIME TO COMPLETE BATTERY CHARGING (ONLY FOR ITS TURN OFF CONDITION)

Battery Type	Standard Battery(Min) (1000 mAh)	Extended Battery(Min) (1550 mAh)
Charging Time	300	400

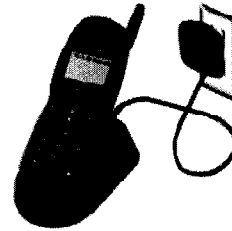
### BATTERY LIFE (FOR NEW BATTERY)

Status \ Type	Standard Battery (1000 mAh)	Extended Battery (1550 mAh)
Talk (min)	290	420
Stand by (hrs)	160	250

## CHARGING THE BATTERY

### CHARGING THE BATTERY WITH THE HANDSET

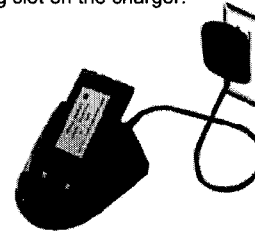
- 1 To charge the battery with the handset, insert the handset into the charger.



*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.

## HOW TO USE THE BATTERY MORE EFFICIENTLY

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.

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.

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!

## CHAPTER 2


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### 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
- ❻ Etiquette Mode and Lock Mode

## TURNING THE PHONE ON AND OFF

### TURNING THE PHONE ON

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









### TURNING THE PHONE OFF

- 1
  - Press [  ] until "Power Off Goodbye" 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 [ \* ], Lock on [ # ],  
[  ], [  ], 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 or select the desired item using the scroll key.
- 5 [  ], [  ], and [  ] can be used while using the menu.

## MENU SUMMARY

### 1 : PHONE BOOK ▶

- 1 : CALL LOGS
  - 1 : MISSED CALL
  - 2 : ANSWERED CALL
  - 3 : DIALED CALL
- 2 : BY LOCATION
- 3 : BY NAME

### 2 : SETTING ▶

- 1 : AUTO RETRY
- 2 : AUTO ANSWER
- 3 : ONE-TOUCH
- 4 : VOICE PRIVACY
- 5 : BACKLIGHT
- 6 : LCD CONTRAST

### 3 : TONE ▶

- 1 : RING MODE
- 2 : RING TYPE
- 3 : KEYPAD

### 4 : TIMER ▶

- 1 : LASTCALL
- 2 : ALL CALLS
- 3 : HOME CALLS
- 4 : ROAM CALLS

### 5 : SPECIAL ▶

- 1 : SCHEDULE
  - 1 : LIST ALL
  - 2 : INPUT SCHEDULE
  - 3 : PAUSE ALL
- 2 : STOPWATCH
- 3 : CALCULATOR
- 4 : BIORHYTHM
  - 1 : TODAY
  - 2 : SOMEDAY
  - 3 : BIRTHDAY

## MENU SUMMARY

### 6 : ALERTS ▶

- 1 : MIN ALERT
- 2 : ROAM ALERT
- 3 : FADE ALERT
- 4 : LOW SIG ALERT
- 5 : CONNECT ALERT

### 7 : CHANGE SYSTEM ▶

- 1 : PEF SYSTEM
- 2 : CHANGE NAM
- 3 : AUTO NAM
- 4 : PRL ID
- 5 : FORCE ANALOG

### 8 : MY NUMBER

### 0 : SECURITY ▶

- 1 : AUTO LOCK
- 2 : CHANGE CODE
- 3 : CHANGE BANNER
- 4 : RESTRICT
  - 1 : INCOMING
  - 2 : OUTGOING
  - 3 : MEMORY
  - 4 : LONG DISTANCE
  - 5 : 900#ꠔ
- 5 : RESET
- 6 : CLEAR
  - 1 : CLR PHONEBOOK
  - 2 : CLR SCHEDULE
  - 3 : CLR CALL LOGS
  - 4 : CLR HOME CALLS
  - 5 : CLR ROAM CALLS
- 7 : VERSION

## BASIC FUNCTIONS

### MAKING A CALL

1

Enter the phone number.

CALL

To modify the phone number you have entered:

CALL  
XXX-XXXX-XXXX

- 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.

CALL

00:00:01

XXX-XXX-XXXX

2

Press [A].

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

Press [A] 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 [P].

CALL

XXXXXXXXXXP

2

Select desired pause.

- When idling status:

- 1 : STORE
- 2 : BY NUMBER
- 3 : HARD PAUSE
- 4 : ONE HYPHEN

- When receiving call status:

- 1 : STORE
- 2 : SEND PHONE#
- 3 : SCRATCH PAD
- 4 : MUTE
- 5 : VIEW PHONE#
- 6 : HARD PAUSE
- 7 : ONE HYPHEN
- 8 : PRLID
- 9 : 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 [P] to dial or [1] to store.

## BASIC FUNCTIONS

### HOW TO ANSWER CALLS

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



If you set up the AUTO ANSWER function in advance, the call will be answered after the selected number of rings. (Refer to page 33)



### 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

- 1 This function notifies you that 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 [  ] or [  ] key.

### 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 [  ], [3],[1] and select VIBRATE by using the [  ] and [  ] key 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 #".

### SCRATCH PAD


- 1 While on a call, press and hold [  ], then [2] "SCRATCH PAD".


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

[20]

## FUNCTIONS DURING A CALL

### MUTE

- 1 While on a call, press [  ], then [3] "Mute".




00:00:38  
MUTE  
XXX-XXX-XXXX



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

### VIEW PHONE NUMBER


You can see your phone number during a call.

- 1 While on a call, press [  ], then [4].



00:00:00  
DIGITAL 000  
000-0000


### PREFERRED ROAMING LIST ID

- 1 While on a call, press [  ], then [5].



00:00:00  
PRL ID  
00


### VOICE PRIVACY

- 1 While on a call, press [  ], then [6].



00:00:00  
VOICE PRIVACY

▶ STANDARD MODE


- 2 Select the parameter (enhanced mode, standard mode) by using the scroll key, press [  ].


[21]

## ETIQUETTE MODE AND LOCK MODE

### ETIQUETTE (MANNER) MODE

You can change the phone mode to etiquette mode by pressing one button. In this mode, the ring mode will be converted to VIBRATE and all alerts and key tones will be turned off.

- 1 Press the [  ] key and hold for more than 1 second.

MANNER MODE ON will be displayed. When the display returns to idle display, the smile icon will appear. If you want to go back to normal phone mode, press the [  ] key again.

### LOCK MODE

You can change the phone mode to lock mode by pressing one button. This function is identical to Auto Lock of Secret Menu.

- 1 Press the [  ] key and hold for more than 1 second.

Then, 'Entering Lock State...' will be displayed. If you want to go back normal phone mode, input the your lock code. See Chapter 5, How to Lock Your Phone, on page 46.

## CHAPTER 3

### MEMORY FUNCTION

- 1 How to Store a Phone Number
- 2 How to Make a Call Using a Stored Phone Number
- 3 How to Find Your Call Logs
- 4 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 (more than 3 digits) you want to store and press [ ], then [1] "Store"



- The first available empty memory location number is displayed. Press [ ] again to accept first available location. If there are no empty locations, "MEMORY IS FULL!" is displayed with a warning sound.
- If there is a desired memory location number, enter the number.

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



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



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



**5** To make a secret of the stored number, select Yes and press [ ]. Then the stored number can be displayed only after entering the lock code.



## 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.
- Cursor moves to the next column automatically two seconds after character is entered.
3. Repeat until all the characters you want are entered.
- You can store up to 12 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 memory location entered, "Empty Location" will appear on the screen.
- If a phone number is stored in a secret location, the number is not displayed when making a call.




*One touch dialing must be turned on in the handset. See page 34.*

## HOW TO FIND YOUR CALL LOGS


Your phone can display the 10 most recent missed, answered, dialed calls. You can call those numbers without dialing their whole number. The last missed call, its phone number, time and date are displayed.

### MISSED CALLS

1 Press [  ] then [1], then [1], then [1].

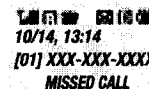


[01]XXXXXXXX  
[02]XXXXXXXXXX  
[03]XXXXX



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:




10/14, 13:14  
[01] XXX-XXX-XXXX  
MISSED CALL


- [  ] 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 [1], then [1], then [2].(Refer to previous page)

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

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

### DIALED CALLS


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


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.

   
**SEARCH**  
**LOCATION?**

3 Search phone numbers using scroll key.


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

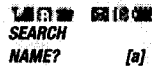
4 Press [  ] to dial desired phone book number.

## HOW TO FIND YOUR PHONE BOOK







### RECALLING BY NAME


1 Press [  ], then [1], then [3].

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



3 To locate the phone number using the scroll key.

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

4 Press [  ] to dial desired phone book number.

## CHAPTER 4

### MENU

Please read this chapter before using this product.


- 1 Settings
- 2 Backlight
- 3 Display
- 4 Tone
- 5 Timers
- 6 Alerts
- 7 Systems
- 8 Phone Info

## SETTINGS


### AUTO RETRY

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


#### INTERVAL

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


**2** Select the parameter (OFF, 3, 5, 7, 10 SECONDS) by using the scroll.

Press [  ].

#### REPEAT

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

**2** Select the parameter ( 1, 3, 5 TIMES) by using the scroll.


Press [  ].

## SETTINGS

### AUTO ANSWER

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

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

**2** Select the parameter (OFF, 1, 3, RINGS) by using the scroll keys.  
Press [  ] to set.

   
AUTO ANSWER  
▶ OFF

## SETTINGS


### ONE TOUCH DIALING

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

---

**1** Press [  ], then [2], then [3].

---


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

### VOICE PRIVACY

---

**1** Press [  ], then [2], then [4].

---

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

## BACKLIGHT


### LIGHTING LENGTH

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

---

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


---

**2** Select the parameter (OFF, OFF IN DAY, 10 SECS, 20SECS, 30SECS) by using the scroll keys. Press [  ].


## DISPLAY

### LCD CONTRAST

This function adjusts the LCD screen contrast.

- 1 Press [  ], then [2], then [6].




- 2 Select the contrast level by using the scroll keys. Press [  ].

## PHONE

### RING MODE

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

- 2 Select the parameter (RINGER,SLIDE BELL,VIBRATE,SILENT,BELL AFTER VIB) by using the scroll keys.

- 3 Press [  ].


### RING TYPE

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

- 2 Select the parameter (1-13) by using the scroll keys.


- Different tones (1-6).
- Different melodies (7-13).







- 3 Press [  ].

## TONE

### KEYPAD

- 1 Press [  ], then [3], then [3] for keypad volume.
  - 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 [  ].

## TIMERS

### LAST CALL

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

### ALL CALLS

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

### HOME CALLS

- 1 Press [  ], then [4], then [3].

### ROAM CALLS

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




## ALERTS

### MIN ALERT

This function sounds an alert in every minute, letting you know the call elapse time.


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




- 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 [6], then [2].




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

## ALERTS

### FADE ALERT


This function sounds an alert when the phone can't make calls due to poor signal strength during idle mode.

- 1 Press [  ], then [6], then [3].



### LOW SIGNAL ALERT


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

- 1 Press [  ], then [6], then [4].



### CONNECT ALERT

This function sounds an alert when the call is connected.

- 1 Press [  ], then [6], then [5].



## SYSTEMS


### PREFERRED SYSTEM

This is a function to select the Preferred System.

- 1 Press [  ], then [7], then [1].




PREF SYSTEM  
▶ STANDARD

- 2 Select the system (Standard, System A only, System B only, Home only) by using the scroll keys. Press [  ].




### CHANGE NAM

This is a function to change NAM.

- 1 Press [  ], then [7], then [2].




NAM 1  
AUDIOVOX


- 2 Select the NAM (NAM 1, NAM2) by using the [  ] or [  ] keys. Press [  ].

## SYSTEMS

### AUTO NAM

This is a function to activate Auto NAM.


- 1 Press [  ], then [7], then [3].



AUTO NAM?  
▶ NO

### PREFERRED ROAMING LIST ID

This function identifies the current Preferred Roaming List ID.

- 1 Press [  ], then [7], then [4].




PRL ID

130

### FORCE ANALOG

This function changes the system mode into Analog while the phone is on.

- 1 Press [  ], then [7], then [5].




FORCE ANALOG  
▶ YES

## PHONE INFO

### CHECKING THE PHONE NUMBER

This function checks the telephone number of the handset currently in use.


- 1 Press [  ], then [8].



DIGITAL 000  
000-0000

### CHECKING THE PHONE VERSION

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

- 1 Press [  ], then [0], then enter [PASSWORD], then [7].



VERSION  
SW : XXX  
HW : XXX

## CHAPTER 5

### SECURITY FEATURES

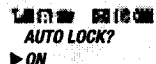
- 1 How to Lock Your Phone
- 2 How to Change Lock Code
- 3 How to Change Your Banner
- 4 How to Restrict Your Phone
- 5 How to Reset Your Phone
- 6 How to Clear Your Phone Memory
- 7 Memory Clearing Function

## 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 not make any calls or use any other function.

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



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

- 2 Select the parameter (OFF, POWER ON, ON ) 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 CHANGE LOCK CODE


### 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 new 4-digit "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 12 characters long.


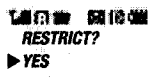
- 1 Press [  ], then [0], then [PASSWORD], then [3]. 
  - The default password is the last 4 digits of your phone number.


- 2 Enter a banner using instructions for alpha keys on page 25.

## HOW TO RESTRICT YOUR PHONE

### RESTRICTION FUNCTIONS



You can restrict five different functions.

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

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

### RESTRICTING INCOMING CALLS

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


- 1 Press [1] "INCOMING". 
- 2 Select the parameter by using the scroll keys.  
RESTRICT: restricts incoming calls.  
ALLOW: allows 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 [2] "OUTGOING".



**2** Select the parameter by using the scroll keys.


RESTRICT: restricts outgoing calls.  
ALLOW: allows outgoing calls.

**3** Press [▼].

### RESTRICTING THE PHONE BOOK

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

**1** Press [3] "MEMORY".



**2** Select the parameter by using the scroll keys.


RESTRICT: restricts phone book use.  
ALLOW: allows phone book use.

**3** Press [▼].

## HOW TO RESTRICT YOUR PHONE

### RESTRICTING LONG DISTANCE CALLS

**1** Press [4] "LONG DIST".



**2** Select the parameter by using the scroll keys.

RESTRICT: restricts long distance calls.  
ALLOW: allows long distance calls.


**3** Press [▼].

### RESTRICT CALLS TO 900 NUMBERS

**1** Press [5] "900#'s".

**2** Select the parameter by using the scroll keys.

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




**3** Press [▼].

## 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].



RESET PHONE?  
▶ YES

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

2

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


- If you select "YES", the screen returns to the original idle display and the power on alert sounds.

## HOW TO CLEAR YOUR PHONE MEMORY

### CLEARING PHONEBOOK

This function clears all stored numbers.

1


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



CLR PHONE NO?  
▶ NO

The default password 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 SCHEDULE


This function clears stored schedule lists

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



CLR SCHEDULE?  
▶ NO

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 DIALED NUMBERS IN CALL LOGS


This function clears all the dialed numbers in the call logs.

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



CLR CALL LOGS?  
▶ NO

The default password 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 area.

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



CLR HOME?  
▶ NO

The default password 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].



CLR ROAM?  
▶ NO

The default password 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 Stopwatch
- ③ Calculator
- ④ Bio-Rhythm


## SCHEDULE

### INPUT SCHEDULE LIST


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

2 Input the date,  
press the [  ].

    
INPUT DATE  
08/03/2000

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



    
1:ALARM TYPE  
2:SCHEDULE TITLE  
3:PHONE NUMBER

4 Input the time and press [  ].


    
INPUT DATE  
08/03/2000  
PM 12:12

## SCHEDULE

### VIEW SCHEDULE LIST

1 Press [  ] then [5], then [1], then [1].  
By pressing the [  ] you can view  
the more details about each item.


    
▶ 11/12/1999  
11/12/1999  
AM 12:10


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

    
ALARM  
08/03/2000  
AM 12:12

### PAUSE ALL SCHEDULE

You can make all schedule pause temporarily.

1 Press [  ] then [5], then [1], then [3].

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

    
PAUSEALL?  
▶ YES



## STOPWATCH

### STOPWATCH

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



2 Press [  /  ] to control the stopwatch.

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

## CALCULATOR









### CALCULATOR

1 Press [  ], then [5], then [3].



0.

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-value'
- EXAMPLE  
To calculate  $128 \times 32 =$   
1. Enter 128  
2. Press [  ]  
3. Enter 32  
4. Press [  ]

## BIO-RHYTHM

This function identifies the bio-rhythms of today or a specific day using solar calendar.

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

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

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



1: TODAY  
2: SOMEDAY  
3: BIRTHDAY

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

- 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 is 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.

## 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 Viewing a Text Message
- ② Checking Received Message
- ③ Incoming Text Message
- ④ Outgoing Text Message
- ⑤ Direct View
- ⑥ Bell Type

## VIEWING A TEXT MESSAGE

### DIRECT VIEW SET

- 1 When a message is received, it is displayed.



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

### DIRECT VIEW RELEASE

- 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 [ ].




*The procedure described here may not work on all carrier networks. If it does not work in your area, please check with your carrier to find out what number you must dial to access your voice mail. You may then program this number into one of your phones' memory locations for convenient dialing.*

## INCOMING TEXT MESSAGE

### CHECKING RECEIVED TEXT MESSAGE

1 Press [  ], then [2] "TEXT MAIL".

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



1:XX NEW TEXT  
2:XX STORED TEXT  
3:ERASE STORED

To read stored this mail, press [2].



▶ 01: ABCDEF  
02: 333333  
03: HI...


To erase stored mail, press [3].





TEXT MESSAGE  
ABCDEFGHIJKL.....

## OUTGOING TEXT MESSAGE


### SENDING TEXT MESSAGE

1 Press [  ], press [3]"SEND MAIL"

2 For receiving phone number, press [1], then press [  ].




Phone No.?

3 To write message, press [2], then press [  ].




MESSAGE? [a]

4 To send your phone number, press[3], then press [  ].



Phone No.?

000000000000

5 Press [  ] to send message.  
When your message has been successfully sent, the display will read 'MESSAGE IS SENT'.



The outgoing text message feature (Mobile Originated SMS) depends on the cellular system and may not be available in all areas.  
Please check with your carrier to find out if this feature is available to you.


## DIRECT VIEW

### DIRECT VIEW SETTING

When text message is received, text is displayed directly on the screen.

1 Press [  ], then press [4].

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

Press [  ].




## BELL TYPE

### BELL TYPE SETTING

When text message is received, selected bell sounds.

1 Press [  ], then press [5].

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



# CHAPTER 8

---

## MAKING AN EMERGENCY CALL

[70]


[71]



## MAKING AN EMERGENCY CALL

This is the enhanced 911 feature.

### E911 IN LOCK MODE

- 1 Enter 911 and press[  ].



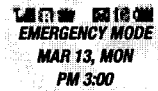
AUDIOVOX - LOCKED -  
PASSWORD?  
.....

- When a call ends, the phone returns to the Emergency Mode.



AUDIOVOX 00:00:23  
911  
EMERGENCY CALL


- 2 Reserve Emergency Mode during 5 minutes.

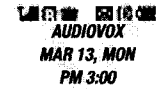


AUDIOVOX 00:00:23  
EMERGENCY MODE  
MAR 13, MON  
PM 3:00

## MAKING AN EMERGENCY CALL

### E911 USING ANY AVAILBLE SYSTEM

- 1 Enter 911 and press[  ].



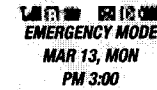
AUDIOVOX  
MAR 13, MON  
PM 3:00

- When a call ends, the phone returns to the Emergency Mode.
- The phone tries to make an emergency call using any available system.



AUDIOVOX 00:00:23  
911  
EMERGENCY CALL

- 2 Reserve Emergency Mode during 5 minutes.



AUDIOVOX 00:00:23  
EMERGENCY MODE  
MAR 13, MON  
PM 3:00

# CHAPTER 9

---

## SAFETY

- ❶ Safety Information for Wireless Handheld Phones
- ❷ Safety Information for FCC RF Exposure

## 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 Commissions (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 (C951).

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

### 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.

\*

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

## 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 your full attention to driving. Driving safely 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 with 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 10

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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, 800-229-1235  
16808 Marquardt Avenue, Cerritos, California 90703, 562-802-5100  
Audiovox Canada  
5155 Spectrum Way, Unit #5, Mississauga, Ontario  
Canada L4W 5A1, 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 on page 89. 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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