

REV.00 USC
5U010000308

8900



CDMA2000

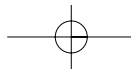


OWNER'S MANUAL



555 Wireless Boulevard ♣ Hauppauge, New York 11788
800.229.1235 ♣ www.audiovox.com ♣ LTCLOM281

©2003 Audiovox Communications Corporation



WELCOME

Thank you for choosing the up-to-date CDM-8900, our new model, developed by top researchers to support the CDMA2000 1X system through Qualcomm-manufactured MSM6050 chips and CDMA technologies. This product allows for high speed communication services, such as web browsing, data & fax services, and a GUI animation menu.

Among its many advanced features, the T9 input mode makes it much easier to enter letters. In addition, VR (Voice Recognition) makes it more user friendly, with proven technologies including:

- Full graphic display of 9 text input line and 1 icon line with variable font size.
- Easy to dial through the VR feature.
- Easy to enter letters through the T9 text input mode.
- Enhanced for web browsing & data services. (i.e.; wireless internet access, wireless fax send/receive, Openwave, UP browser.)
- GUI & Animation display compliant with CDMA2000 1X.
- TFT 65K Color LCD.
- Mobile Camera.(VGA 33 Frames)
- Navigation Key and 25 keys aligned for more convenience.
- Sophisticated features of speaker phone, and voice recognition.
- Additional services of text messaging and Web browsing on top of authentication, call forwarding, call transfer, call waiting.

IMPORTANT INFORMATION

This CDM-8900 user guide contains very important information about how to handle and use the product. So please read this manual thoroughly, pay attention to the warranty on the back page and be alert to the exclusions and limitations of your warranty, which are related with the unauthorized use of components.

TABLE OF CONTENTS

| | |
|---|-----------|
| CHAPTER 1. BEFORE USING YOUR PHONE | 5 |
| INSIDE THE PACKAGE | 6 |
| HANDSET DESCRIPTION | 7 |
| THE FUNCTION KEYS | 8 |
| DISPLAY INDICATORS | 9 |
| BATTERY USAGE | 10 |
| BATTERY INSTALLATION | 10 |
| BATTERY REMOVAL | 11 |
| BATTERY CHARGING | 11 |
| POWER CONNECTION | 11 |
| CHARGING THE BATTERY WITH THE HANDSET | 12 |
| PCS AND 1X BATTERY TIMES | 12 |
| BATTERY LIFE (FOR NEW BATTERY) | 12 |
| BATTERY HANDLING INFORMATION | 13 |
| DOs | 13 |
| DON'Ts | 13 |
| CHAPTER 2. BASIC OPERATION | 15 |
| TURNING THE PHONE ON / OFF | 16 |
| TURNING THE PHONE ON | 16 |
| TURNING THE PHONE OFF | 16 |
| ACCESSING THE MENU | 17 |
| MENU SUMMARY | 18 |
| BASIC FUNCTIONS | 21 |
| MAKING A CALL | 21 |
| SPEAKER PHONE | 22 |
| PAUSE FEATURE | 22 |
| ANSWERING A CALL | 23 |
| CALLER ID FUNCTION | 23 |
| CALL WAITING FUNCTION | 24 |
| ADJUSTING VOLUME | 24 |
| ETIQUETTE | 25 |
| LOCK | 25 |
| DURING A CALL | 26 |
| MESSAGING | 26 |
| MUTE (UNMUTE) | 26 |
| SCRATCHPAD | 26 |
| SEND MY PHONE # | 26 |
| MY PHONE NUMBER | 27 |
| VOICE PRIVACY | 27 |
| LOCATION | 27 |
| PHONE INFO | 27 |
| MAKING AN EMERGENCY CALL | 28 |
| 911 IN LOCK MODE | 28 |
| 911 USING ANY AVAILABLE SYSTEM | 28 |
| CHAPTER 3. MEMORY FUNCTION | 29 |
| STORING A PHONE NUMBER | 30 |
| ENTERING LETTERS, NUMBERS & SYMBOLS | 31 |
| STANDARD INPUT MODE | 32 |
| T9 INPUT MODE | 33 |
| NUMERIC MODE | 34 |
| SYMBOL MODE | 34 |
| MAKING A CALL THROUGH THE PHONE BOOK | 35 |
| SPEED DIALING | 35 |
| CHAPTER 4. MENU FUNCTION | 37 |
| PHONE BOOK | 38 |
| FIND | 38 |
| BY NAME | 38 |
| BY NUMBER | 39 |
| ADD NEW | 40 |
| GROUP | 40 |
| ADD NEW GROUP | 40 |
| CHANGE GROUP NAME | 41 |
| ERASE GROUP | 41 |
| SPEED DIAL | 42 |

TABLE OF CONTENTS

| | |
|--------------------------------------|----|
| MSG. GROUP..... | 42 |
| ADD NEW MSG. GROUP..... | 42 |
| CHANGE MSG. GROUP NAME..... | 43 |
| SEND MSG. GROUP..... | 43 |
| ERASE GROUP..... | 43 |
| MY PHONE #..... | 44 |
| RECENT CALLS..... | 45 |
| ALL CALLS..... | 45 |
| MISSED CALLS..... | 46 |
| RECEIVED CALLS..... | 47 |
| DIALED CALLS..... | 48 |
| CALL TIMERS..... | 49 |
| LAST CALL..... | 49 |
| ALL CALLS..... | 49 |
| HOME CALLS..... | 49 |
| ROAM CALLS..... | 50 |
| CUMULATIVE CALLS..... | 50 |
| EASYEDGE..... | 51 |
| START EASYEDGE..... | 51 |
| DOWNLOADING APPLICATIONS..... | 51 |
| DOWNLOADING MELODIES/WALLPAPERS..... | 51 |
| APPLYING MELODIES/WALLPAPERS..... | 52 |
| CHECKING DATA FOLDER MEMORY..... | 52 |
| ERASING AN APPLICATION..... | 52 |
| MOBILE WEB..... | 53 |
| CONNECT WEB..... | 53 |
| MEDIA GALLERY..... | 54 |
| IMAGES..... | 54 |
| GRAPHICS..... | 54 |
| ANIMATIONS..... | 54 |
| PHOTOS..... | 55 |
| TONES..... | 55 |
| SETTINGS..... | 56 |
| SOUNDS..... | 56 |
| RINGER TYPE..... | 56 |
| VOLUME..... | 57 |
| ALERT..... | 58 |
| ROAM RINGER..... | 59 |
| TONE LENGTH..... | 59 |
| ETIQUETTE..... | 59 |
| DISPLAY..... | 60 |
| MENU STYLE..... | 60 |
| GRAPHICS..... | 60 |
| SUB SCREEN..... | 61 |
| GREETING MESSAGE..... | 62 |
| CONTRAST..... | 62 |
| BACKLIGHT..... | 63 |
| DATA SVC..... | 63 |
| CONNECTION..... | 63 |
| SECURITY..... | 64 |
| PHONE LOCK..... | 64 |
| RESTRICT..... | 64 |
| CHANGE CODE..... | 67 |
| SPECIAL #S..... | 67 |
| ERASE ALL..... | 68 |
| RESET PHONE..... | 68 |
| WAP..... | 69 |
| OTHERS..... | 70 |
| ANSWER OPTIONS..... | 70 |
| AUTO RETRY..... | 71 |
| LANGUAGE..... | 72 |
| VOICE PRIVACY..... | 72 |
| TTY MODE..... | 72 |
| LOCATION..... | 73 |
| SYSTEM..... | 73 |
| SET MODE..... | 73 |

TABLE OF CONTENTS

| | |
|-------------------------------------|----|
| NAM SETTING..... | 74 |
| PRL ID..... | 74 |
| PHONE INFO..... | 75 |
| SW VERSION..... | 75 |
| HW VERSION..... | 75 |
| EASYEDGE VERSION..... | 75 |
| UTILITIES..... | 76 |
| EVENT..... | 76 |
| ADD PLAN..... | 76 |
| VIEW EVENT LIST..... | 77 |
| ALARM..... | 77 |
| MEMO PAD..... | 79 |
| ADD MEMO..... | 79 |
| VIEW MEMO..... | 79 |
| SETTINGS..... | 79 |
| CALCULATOR..... | 80 |
| WORLD CLOCK..... | 80 |
| STOPWATCH..... | 81 |
| CAMERA..... | 82 |
| TAKE A PHOTO..... | 82 |
| TAKING A PICTURE FROM THE MENU..... | 82 |
| TAKING A PICTURE IN IDLE MODE..... | 82 |
| CAMERA MODE OPTIONS..... | 83 |
| PHOTO GALLERY..... | 84 |
| PHOTO MESSAGE..... | 84 |
| HELP..... | 85 |
| FLASH (SPECIAL SALES)..... | 86 |

| | |
|--------------------------------------|-----------|
| CHAPTER 5. VOICE SERVICE..... | 89 |
| VOICE RECOGNITION MODE..... | 90 |
| NAME..... | 90 |
| VOICE TOOLS MENU..... | 91 |
| VOICE MEMO..... | 91 |
| VOICE DIAL..... | 92 |
| TRAIN WORDS..... | 93 |
| YES..... | 93 |
| NO..... | 93 |
| WAKE UP..... | 93 |
| UNDO TRAIN ALL..... | 93 |
| VOICE SETTING..... | 94 |
| SET ACTIVE..... | 94 |
| HFK MODE..... | 94 |

| | |
|--|-----------|
| CHAPTER 6. VOICE MAIL AND TEXT MESSAGE..... | 95 |
| WHEN A NEW MESSAGE ARRIVES..... | 96 |
| VOICE MAIL..... | 96 |
| NEW TEXT MSG..... | 97 |
| NEW PHOTO MSG..... | 98 |
| INBOX..... | 99 |
| REPLY..... | 99 |
| REPLY WITH COPY..... | 99 |
| FORWARD..... | 99 |
| SAVE TO CONTACT..... | 100 |
| SAVE TO SAVED..... | 100 |
| SAVE TO QUICK TEXT..... | 100 |
| BLOCK SENDER..... | 100 |
| LOCK & UNLOCK..... | 100 |
| OUTBOX..... | 101 |
| CHECKING SENT TEXT MESSAGES..... | 101 |
| RESEND..... | 101 |
| EDIT MESSAGE..... | 101 |
| SAVE TO CONTACT..... | 102 |
| SAVE TO SAVED..... | 102 |
| LOCK & UNLOCK..... | 102 |
| STATE..... | 102 |
| WEB ALERTS..... | 103 |
| WEB ALERTS..... | 103 |

TABLE OF CONTENT

| | |
|-------------------------|-----|
| SAVED | 104 |
| SAVED | 104 |
| QUICK TEXT | 105 |
| QUICK TEXT | 105 |
| ERASE ALL | 106 |
| ERASE MESSAGES | 106 |
| SETTINGS | 107 |
| AUTO SAVE | 107 |
| SAVE SENT MSG | 107 |
| PHOTO RECEIVE | 107 |
| AUTO ERASE | 107 |
| AUTO ERASE INBOX | 107 |
| AUTO ERASE OUTBOX | 108 |
| DEFAULT CALL BACK | 108 |
| ALERT | 108 |
| EDIT SIGNATURE | 109 |
| DIRECT VIEW | 109 |
| ENTRY MODE | 109 |
| BLOCK OR UNBLOCK | 110 |

| | |
|--------------------------------------|------------|
| CHAPTER 7. WEB BROWSING | 111 |
| START INTERNET BROWSER | 112 |
| ACCESS THE INTERNET | 112 |
| BROWSER MENU | 112 |
| BACK | 112 |
| HOME | 112 |
| EXIT | 112 |
| MARK SITE | 113 |
| BOOKMARKS | 113 |
| INBOX | 113 |
| RELOAD | 113 |
| SETTINGS | 114 |
| HOME PAGE | 114 |
| PROXY | 114 |
| CIRCUIT LINGER | 114 |
| SCROLL MODE | 114 |
| SCROLL SPEED | 114 |
| KEY PRESS TIMEOUT | 114 |
| SECURITY | 115 |
| ADVANCED | 115 |

| | |
|---|------------|
| CHAPTER 8. SAFETY AND WARRANTY | 117 |
| SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES | 118 |
| EXPOSURE TO RADIO FREQUENCY SIGNALS | 118 |
| ANTENNA CARE | 118 |
| DRIVING SAFETY | 119 |
| ELECTRONIC DEVICES | 120 |
| PACEMAKERS | 120 |
| OTHER MEDICAL DEVICES | 120 |
| POSTED FACILITIES | 120 |
| OTHER SAFETY GUIDELINES | 121 |
| AIRCRAFT | 121 |
| BLASTING AREAS | 121 |
| POTENTIALLY EXPLOSIVE ATMOSPHERES | 121 |
| PRECAUTIONS | 122 |
| SAFETY INFORMATION FOR FCC RF EXPOSURE | 123 |
| CAUTIONS | 123 |
| BODY-WORN OPERATION | 123 |
| VEHICLE MOUNTED EXTERNAL ANTENNA (OPTIONAL, IF AVAILABLE) | 123 |
| SAR INFORMATION | 124 |
| FDA CONSUMER UPDATE | 126 |
| PROTECT YOUR WARRANTY | 130 |
| 12 MONTHS LIMITED WARRANTY | 131 |

Chapter 1

BEFORE USING YOUR PHONE

This chapter provides important information about using the CDM-8900 including:

- INSIDE THE PACKAGE
- HANDSET DESCRIPTION
- BATTERY USAGE
- BATTERY HANDLING INFORMATION



INSIDE THE PACKAGE

This package should include all items pictured below. If any are missing or different, immediately contact the retailer where you purchased the phone.

IC
1



Handset



AC Charger



Standard Battery



User Manual



Handstrap



Belt Clip

6

HANDSET DESCRIPTION

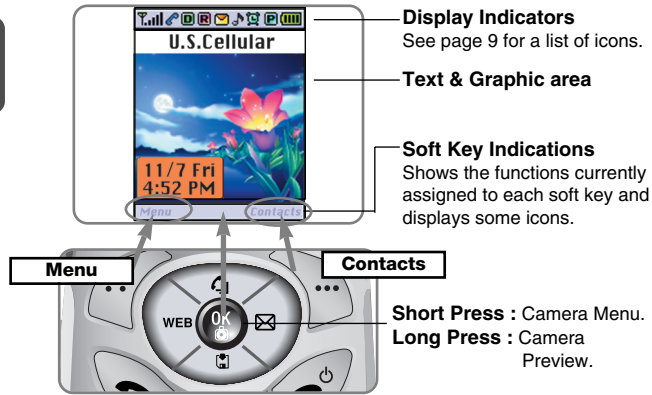
This phone is a tri mode (800 MHz AMPS/CDMA, 1900 MHz PCS) CDMA2000 1X digital phone with camera and web browsing capabilities. The CDM8900 weighs 3.89 oz. And the dimensions are 1.82" x 3.56" x 0.92".

IC
1



7

HANDSET DESCRIPTION



Display Indicators
See page 9 for a list of icons.

Text & Graphic area

Soft Key Indications
Shows the functions currently assigned to each soft key and displays some icons.

Short Press : Camera Menu.
Long Press : Camera Preview.

THE FUNCTION KEYS

Recent Calls

In Idle Mode

- Press up to access the Recent Calls, down to access the easyedge, right for Messaging and left for Mobile Web.

Inside the menu

- Within a menu, use to scroll through menu options, or to select a function displayed on the screen.

Mobile Web



Messaging

easyedge



Press to make or receive a call.
Press and hold to turn on VR mode.



Press to turn the phone on/off, to terminate a call or to return to the initial page.



(Soft 1) Press to access the menu or function displayed on bottom line.



(Soft 2) Press to add a new contact.



To display "Service is not offered" message.



Press to clear a digit from the display or to return to the previous page.
Press and hold to enable speaker phone mode.



Press and hold to enter etiquette mode.



Press and hold to enter lock mode.

HANDSET DESCRIPTION

DISPLAY INDICATORS



Signal Strength - Current signal strength : the more lines, the stronger the signal.



Roaming
Phone is out of home area.



Service Indicator
Indicates call is in progress, indicates the phone cannot receive a signal from the system.



Message
New text or voice message.



Digital mode
Phone is operating in digital mode.



Battery
Battery charging level – the more blocks, the stronger the charge.



Mute
Phone is mute during a call.



Silent
Appears when Silent is selected as the ring mode.



Emergency Call
Blinks when an emergency call is in progress.



Voice Memo
New voice memo has been made.



Answering machine
Phone is in answering machine mode.



Etiquette
Phone will vibrate when call is received.



Schedule
Appears when either an event or an alarm is set.



Ring Mode
Appears when a ringer is set as a ringer mode.



Dormant
Indicates the phone is in disconnection condition while on "Server Connection".



Fax Only
Receives a fax call as a voice call.

BATTERY USAGE

 IC
1


Data Only

Receives an async. call as a voice call.



GPS Icon

Indicates the Location Service of your phone is disabled/enabled.



1X

Phone is in the 1x service area.



Scratch Pad

Displays when scratchpad is in use during a call.



Unread Web Message



Read Web Message



Web Message + Text Message



Web Message + Voice Message



Web Message + Text Message + Voice Message

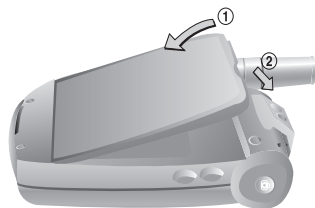


Up Browser

Phone is in the progress of Up Browser.

BATTERY INSTALLATION

- 1 Place the battery on the back of the handset and slide into place. 2 Push the battery down until it locks into place.

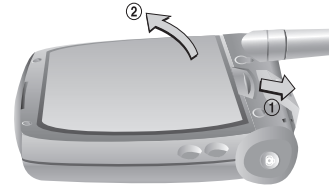


10

BATTERY USAGE

BATTERY REMOVAL

- 1 Pull down the release latch, lift up the battery and 2 remove the battery from the handset.



If the battery is not correctly placed in the compartment, the handset will not turn on and/or the battery may detach during use.

BATTERY CHARGING

POWER CONNECTION

- 1 Plug the AC charger into a standard outlet.



- Fully charge the battery before using – it is not charged when purchased.
- When charging the phone, always use the CNR-4 adaptor included in the packaging. If not, the phone will be damaged.

11

 IC
1

BATTERY USAGE

IC
1

CHARGING THE BATTERY WITH THE HANDSET

- 1 Place the handset (with battery attached) into the charger.



It is more efficient to charge the battery with the phone turned off.

PCS AND 1X BATTERY TIMES

The operating time is subject to your handset usage and configuration.

| Battery Capacity | DCS | PCS | AMPS |
|------------------|------|------|------|
| STD 1000 mAh | 190m | 200m | 80m |
| EXT 1700 mAh | 310m | 350m | 130m |

BATTERY LIFE (FOR NEW BATTERY)

The operating time is subject to your handset usage and configuration.

| Battery Capacity | AMPS | CDMA |
|------------------|--------|---------|
| STD 1000 mAh | 20hour | 140hour |
| EXT 1700 mAh | 35hour | 240hour |



When charging the battery, the meter in the upper right hand corner will indicate that the battery is full as soon as you plug in the charger.



These times are for a new battery. Talking and Standby times may decrease over time.

12

BATTERY HANDLING INFORMATION

DOs

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local laws.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't accidentally short circuit the battery by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens. This may critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

13

IC
1

MEMO

CH
1

Chapter 2

BASIC OPERATION


CH
2

This chapter addresses and explains the basic features of your phone including.

- TURNING THE PHONE ON / OFF
- ACCESSING THE MENU
- MENU SUMMARY
- BASIC FUNCTIONS
- DURING A CALL
- MAKING AN EMERGENCY CALL

TURNING THE PHONE ON / OFF


TURNING THE PHONE ON

- 1 Press and hold , until your "Power On" logo appears and the tone sounds.



- To select a logo, refer to page 60 for more details.
- If "Password" appears on the display enter your 4-digit password to unlock your phone.
- The default password is the last 4 digits of your phone number.

TURNING THE PHONE OFF

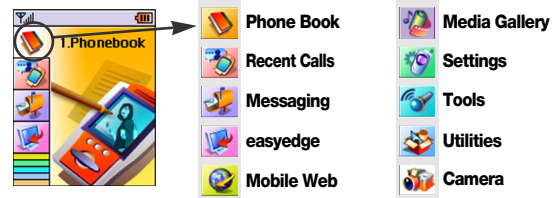
- 1 Press and hold , until your "Power Off" logo appears.




- Immediately change or recharge the battery when "Low Battery Warning Power Off" appears on the display. Memory may possibly be damaged if the phone turns off due to the battery completely draining.
- Turn the phone off before removing or replacing the battery. If the phone is on, unsaved data may be lost.

ACCESSING THE MENU



Your phone can be customized via the menu. Each function can be accessed by scrolling with the Navigation Key or by pressing the number that corresponds with the menu item.



- 1 To access the menu in the idle mode, press  [MENU].

- 2 Use the Navigation Key to scroll through the menu.

- To search through the menu in numerical order, press down.

- 3 To return to the previous page, press  [BACK]. To exit the current menu and return to the idle mode, press .

- 4 Press the Navigation Key to enter a function when its main page is displayed or press its assigned number to have direct access to the function.








Hotkey

In idle mode, move the Navigation Key as follows to access these functions:

- Upward movement: Recent Calls
- Downward movement: easyedge
- Rightward movement: Messaging



MENU SUMMARY

CH
2

| | | | |
|---|--|---|---|
| 1. Phone Book  | <ol style="list-style-type: none"> Find Add New Group Speed Dial Msg. Group My Phone # | <ol style="list-style-type: none"> By Name By Number | |
| 2. Recent Calls  | <ol style="list-style-type: none"> All Calls Missed Calls Received Calls Dialed Calls Call Timers | <ol style="list-style-type: none"> Last Call All Calls Home Calls Roam Calls Cumulative Calls | |
| 3. Messaging  | <ol style="list-style-type: none"> New Text Msg New Photo Msg Voice Mail Inbox Outbox Web Alerts Saved Quick Text Erase All | <ol style="list-style-type: none"> Inbox Outbox Saved | <ol style="list-style-type: none"> Old Inbox Entire Inbox |
| 4. easyedge  | <ol style="list-style-type: none"> easyedge | <ol style="list-style-type: none"> Auto Save Auto Erase Default Callback Alert Edit Signature Direct View Entry Mode Block or Unblock | <ol style="list-style-type: none"> Save sent Msg Photo receive Inbox Outbox Voice Mail Messages Remind Block Unblock View List of Blocked Address |
| 5. Mobile Web  | <ol style="list-style-type: none"> Connect WEB | <ol style="list-style-type: none"> easyedge shop Settings Help | |
| 10. Settings | | | |

MENU SUMMARY

CH
2

| | | | |
|--|---|---|---|
| 6. Media Gallery  | <ol style="list-style-type: none"> Images Photos Tones | <ol style="list-style-type: none"> Graphics Animations | |
| 7. Settings  | <ol style="list-style-type: none"> Sounds | <ol style="list-style-type: none"> Ringer Type Volume Alert Roam Ringer Tone Length Etiquette | <ol style="list-style-type: none"> Ringer Messages Voice Mail Ringer Key Tone Voice Call Speaker Phone Minute Roam Connect Fade |
| | <ol style="list-style-type: none"> Display | <ol style="list-style-type: none"> Graphics Sub Screen Greeting Message | <ol style="list-style-type: none"> Fold Grid List Wallpaper Power On Power Off Received Dialed Screen Saver |
| | <ol style="list-style-type: none"> Data SVC. Security | <ol style="list-style-type: none"> Contrast Backlight Connection Phone Lock Restrict | <ol style="list-style-type: none"> Msg Font Color Bg Color Enter Message Main LCD Sub LCD LCD Keypad Dialed Recent Calls Phone Book Camera Data Call 900#s Long Distance |
| | | <ol style="list-style-type: none"> Change Code Special #s Erase All Reset Phone WAP | |

MENU SUMMARY

| | | | |
|---------|------------------|---------------------|--|
| CH 2 | 5. Others | 1. Answer Options | 1. Call Answer 2. Active Flip 3. Auto Answer Retry Time Repeat |
| | | 2. Auto Retry | |
| CH 2 | 6. System | 3. Language | |
| | | 4. Voice Privacy | |
| CH 2 | 7. Phone Info. | 5. TTY Mode | |
| | | 6. Location | |
| CH 2 | 8. Tools | 1. Set Mode | 1. Auto NAM |
| | | 2. Nam Setting | 2. Change NAM |
| CH 2 | 9. Utilities | 3. PRL ID | |
| | | 1. S/W Version | |
| CH 2 | 0. Camera | 2. H/W Version | |
| | | 3. easyedge Version | |
| CH 2 | 1. Voice Memo | 1: Record | |
| | | 2: Play | |
| CH 2 | 2. Voice Dial | 3: Play Speaker | |
| | | 4: Erase All | |
| CH 2 | 3. Train Words | 1: Record | |
| | | 2: Play | |
| CH 2 | 4. Voice Setting | 3: Play Speaker | |
| | | 4: Erase All | |
| CH 2 | 1. Event | 1: Yes | |
| | | 2: No | |
| CH 2 | 2. Alarm | 3: Wake-Up | |
| | | 4: Undo Train All | |
| CH 2 | 3. Memo Pad | 1: Set Active | |
| | | 2: HFK Mode | |
| CH 2 | 4. Calculator | 1: Add Plan | |
| | | 2: View Event List | |
| CH 2 | 5. World Clock | 1: Item 1 | |
| | | 2: Item 2 | |
| CH 2 | 6. Stopwatch | 3: Item 3 | |
| | | 1: Add Memo | |
| CH 2 | 1. Take a Photo | 2: View Memo | |
| | | 3: Settings | |
| CH 2 | 2. Photo Gallery | 1: New Photo | |
| | | 2: Saved Photo | |
| CH 2 | 3. Photo Message | | |
| | | 4: Help | |

BASIC FUNCTIONS

MAKING A CALL

1 Enter a phone number.



To modify the phone number you have entered :

- To erase one digit at a time press .
- To erase the entire number, press and hold .



2 Press .
The indicator , appears on the display.




- If "CALL FAILED" appears on the display or the line is busy, press or .
- If you activate the "AUTO RETRY" function, the phone will automatically retry for the number of times you have selected. (refer to page 71).
- If the number you're calling is stored in the phone book, the name and number will appear when the call is placed.
- There is another way to make a call through the VR mode, which is called "VAD (Voice Activated Dialing)". Please refer to page 92 (Voice Service) for more details.



3 To end a call, press .




BASIC FUNCTIONS

SPEAKER PHONE

- 1 To activate the speaker phone in idle, answering or calling modes, press and hold .
- 2 The phone returns to normal (Speaker phone off) after ending a call or when the phone is turned off and back on.

PAUSE FEATURE




Pauses are used for automated systems (i.e., voice mail, calling cards). Insert a pause after a phone number then enter another group of numbers. The second set of numbers is dialed automatically after the pause. This feature is useful for dialing into systems that require a code.


- 1 To insert a pause, enter a phone number then press  [MENU]. Select either a Hard Pause ("P" appears) or a Timed Pause ("T" appears).
- 2 Press  to dial or  [SAVE] to store.


Please refer to page 30 for more details about storing a phone number.

BASIC FUNCTIONS

ANSWERING A CALL

- 1 To answer a call, press any key except ,  or .

- In the (Settings-Call Answer), you can select either "Any Key" or "Send Key" to answer a call. If "Send Key" is selected, the phone can only be answered by pressing . See page 70 for more information.

- 2 To end the call, press .



In Auto Answer Mode a call is automatically answered after a preset number of ring tones. See page 71 for more details.

CALLER ID FUNCTION

Identifies caller by displaying their phone number. If the caller's name and number are already stored in your phone book, they both will appear. This feature is system dependent. Please contact your service provider for details.



The caller ID is stored in the call history.

BASIC FUNCTIONS

CALL WAITING FUNCTION

Notifies you of an incoming call when you are already on a call by sounding a beep tone and displaying the caller's phone number.

- 1 To answer another call while on the phone, press . This places the first call on hold. To switch back to the first caller, press again.



Call Waiting is a system dependent feature. Please contact your service provider for details.

ADJUSTING VOLUME

Adjusts the volume of the ringer, key beep and speaker.

- 1 Press [MENU] and select one of the following.

- Ringer: Controls the ringer volume.
- Key Tone: Controls the keypad tone.
- Voice Call: Controls the earpiece volume.
- Speaker Phone: Controls the speaker volume.

- 2 Adjust volume and press [OK] to save it.



Move the Navigation Key up or down to adjust volume of earpiece during a call.

BASIC FUNCTIONS

ETIQUETTE

Mutes key tones and activates the vibration mode to alert you of an incoming call or message.

- 1 To turn etiquette mode on/off, press and hold . will be displayed to indicate etiquette mode is active.

LOCK

Locks your phone and prevents unauthorized use. Phone can only be used after inputting the password.


- 1 To lock the phone, press and hold .
- 2 To unlock the phone, press then input the password.

- Lock feature will deactivate when the phone is powered off. Upon next power up, you will need to press to lock phone again.



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

DURING A CALL

To display menu options during a call, press .

MESSAGING



Enables to send a message (SMS) during a call.

1 Press  [MENU] .

MUTE (UNMUTE)

The caller can not hear your or any sound from your side, while you can hear his or her voice.



1 Press  [MENU] .

- To deactivate, press  [MENU] .
- The phone will automatically un-mute in Emergency Call or Callback mode.

SCRATCHPAD

Prevents the other end from hearing tones if any key is pressed during a call.

1 Press  [MENU] .

- Press  [MENU]  to deactivate it.

SEND MY PHONE

Automatically transmits your phone number to a pager during a call. (Dependent on pager service)

1 Press  [MENU] .

DURING A CALL

MY PHONE NUMBER

Displays your phone number.

1 Press  [MENU] .

VOICE PRIVACY

Enhances voice privacy during a call.

1 Press  [MENU] .

LOCATION

Enables the network to locate your current location through Global Positioning System (GPS). (Refer to page 73 for more details.)

1 Press  [MENU] .

PHONE INFO.

Enables you to view handset information while on a call. Please see page 75 for more details.


1 Press  [MENU] .

MAKING AN EMERGENCY CALL


This 911 feature puts the phone in the Emergency Call Mode when you dial the preprogrammed emergency number, 911. It also operates in the lock mode and out of the service area.

911 IN LOCK MODE

The 911 call service is available even in the lock mode.

- 1 Enter "911" and press .
- 2 The call connects.
- 3 The phone exits the Lock Mode for 5 minutes.
 - When the call ends, the phone returns to the Lock Mode.

911 USING ANY AVAILABLE SYSTEM

- 1 Enter "911" and press .
- 2 The call connects.
- 3 The phone maintains the Emergency Mode for 5 minutes.
 - The phone returns to the Lock Mode.
 - While the phone is in the emergency mode for 5 minutes, the phone can receive an incoming call from any available system. However can't make a call.






Chapter 3 MEMORY FUNCTION




This chapter addresses memory functions including:


- STORING A PHONE NUMBER
- ENTERING LETTERS, NUMBERS & SYMBOLS
- MAKING A CALL THROUGH THE PHONE BOOK

STORING A PHONE NUMBER

The phone book stores up to 300 entries.


- 1 Enter phone # and press  [SAVE].
- 2 Choose “New Contact” or “Existing Contact”. Press  [OK] to select.
- 3 The Phone # will appear next to a list of icons. The name of the icon is displayed above the list. Use the Navigation Key to choose the type of # you’re adding, as indicated by the icon. Press  [OK] to select.
- 4 Enter a name and press  [OK]. Please refer to page 31 for more details on entering letters, numbers & symbols. To change the input mode, press  [Abc]. Press the Navigation Key down to select the group. Press the Navigation Key down to select other options (secret, email).

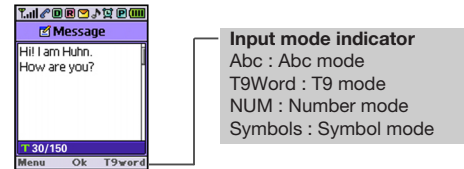
-  Group: Personal, Business, Etc.
-  Graphic.
-  Set Secret: Lock, Unlock.
- Ringer.
- Msg.Ringer.
- The other fields are set to Numeric mode as a default.

- 5 To store the entry, press  [SAVE] “New contact added!” or “Contact edited!” will be displayed.







ENTERING LETTERS, NUMBERS & SYMBOLS

The input mode (Alpha editor) will be automatically activated when necessary to enter letters and numbers. As shown below, there are 4 available modes ; Standard input mode (abc), T9 input mode (T9Word), Numeric mode (123), and Symbol mode (Symbols).

The input mode indicator appears on the upper right of the display when letters and numbers are entered. To select the desired input mode among the 4 modes below, press  [MODE], then enter letters and numbers.



The following illustrates the function assigned to each key in the Alpha Editor.

| KEY | FUNCTION |
|--|--|
|  Mode | Press to change mode. [T9Word][Abc][123][Symbol mode]. |
|  Next | Press to view the next matching word if the highlighted word is not the word you intended. |
|  Space | Press to accept a word and add a space. |
|  Shift | Press to select a letter case of the standard text input or T9 text input mode. [Abc], [ABC], and [abc] indicate the standard text input. [T9Word], [T9WORD], and [T9word] indicate the predictive text input. |
| Clear  | Press to delete a character to the left of the cursor. |
| Save  | Store the letters and numbers you enter. |

ENTERING LETTERS, NUMBERS & SYMBOLS

STANDARD INPUT MODE

Use the digit keys to enter letters, numbers and characters.

- 1 Enter letters using the keypad as follows:

| Keypad | 1 Time | Repetitions 2 times | Repetitions 3 times | Repetitions 4 times | Repetitions 5 times |
|--------|--------|---------------------|---------------------|---------------------|---------------------|
| 1 | 1 | . | @ | - | ' |
| 2ABC | A | B | C | 2 | A |
| 3DEF | D | E | F | 3 | D |
| 4GHI | G | H | I | 4 | G |
| : | : | : | : | : | : |
| 9WXYZ | W | X | Y | Z | 9 |

To change the input mode, press [MODE].

- 2 To enter a space, press . The cursor will automatically move to the next column.
- 3 Repeat until letters are entered. There is a 16-letter limit.
- 4 To delete one digit, press . To delete the entire entry, press and hold .
- 5 To change from lowercase to uppercase, press .



Select Abc mode, by pressing [MODE].

When you select this mode, the Abc icon appears as a visual confirmation.

- "Find the key that corresponds to the letter you want to enter."
- Press it as many times as needed for the letter to appear on the screen.
- To enter the name "John":

Press [] J
 Press [] O
 Press [] H
 Press [] N

ENTERING LETTERS, NUMBERS & SYMBOLS

T9 INPUT MODE

The T9 input mode incorporates a built-in-dictionary to determine a word based on the entered characters. A word can be entered more quickly by pressing a key once per character.

- 1 Select the T9Word mode with [MODE].
- 2 Press a digit key once to enter the character you want and enter all the characters to input the word you want.
- 3 To view the next matching word, press .
- 4 To accept matching word and enter a space, press .



To enter a compound word.

- Enter the first part of the word and press [] to accept it.
- Enter the last part of the word and press [] to enter the word.



To enter "phone book" in the T9 input mode.

- Press [] [MODE] to select the T9 input mode and [] to choose the small letter case (T9word).


- Press [] [] [] [] [] and you will see "phone" highlighted. Press [] to see the next matching word and [] to select it.

- Press [] [] [] [] and you will see "book" highlighted. Press [] to move to the next matching word and [] to select the compound word and enter a space.

ENTERING LETTERS, NUMBERS & SYMBOLS


NUMERIC MODE

Allows you to enter numbers.

- 1 Press  [MODE] until the current input mode changes to the "NUM (Numeric mode)".
- 2 To enter a number, press a digit key.

SYMBOL MODE

Allows you to enter symbols.

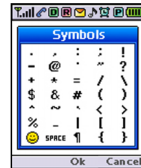
- 1 Press  [MODE] until the "Symbols (Symbol mode)" appears.
- 2 Select symbol you want to enter with the Navigation Key.

- Use the Navigation Key to view a different line of symbols.

Press [ ],

or





Press [ ].






MAKING A CALL THROUGH THE PHONE BOOK

SPEED DIALING

Dials a number simply by pressing and holding its Speed Dial location number. For a 2-digit location number, press the first number then press and hold the second number. To store a number in Speed Dial:

- 1 Press  [MENU]  .
- 2 To assign a phone number to a location, select the location and press  [SET].

- If a phone number is already assigned to the location, press  [ERASE] and  [OK] to delete.

- 3 Select the entry with the Navigation Key and Press  [OK].

- If the entry is set to secret, you will be asked for your password.



- "Unassigned" appears if the location is available.
- A phone number that is set to secret will not be displayed when called from Speed Dial.

MEMO

IC
3

Chapter 4

MENU FUNCTION

CH
4


This chapter addresses accessing the menu and using its functions and features to customize your phone.

- PHONE BOOK
- RECENT CALLS
- EASYEDGE
- MOBILE WEB
- MEDIA GALLERY
- SETTINGS
- UTILITIES
- CAMERA








PHONE BOOK

Stores up to 300 entries, each of which can be assigned to a group. Entries can be retrieved by name, phone number or group.

FIND








Retrieves an entry by name and number, and calls by simply pressing .

BY NAME

- 1 Press  [MENU]   .
- 2 The list of names in your phone book is displayed alphabetically. Use Navigation Key to select the name.
- 3 Enter a name or its character string or scroll through the list with the Navigation Key. Please refer to page 31 for more details on entering letters, numbers & symbols.
- 4 All matching entries will be displayed. Highlight an entry. Press  [OK] to edit the entry. Press  [MENU] to 1. delete the entry or 2. add a prefix.
 - Text Msg./Photo Msg./Erase/Prefix
 - If the entry is set to secret, you will be asked for your password.
- 5 To call the selected number, press .

PHONE BOOK



BY NUMBER

- 1 Press  [MENU]   .
- 2 The list of phone numbers saved in your phone book will be displayed in numeric order.
- 3 Enter the phone number or scroll through the list with the Navigation Key. The name associated with that number will be displayed at the bottom of the screen.
- 4 All matching entries will be displayed. Highlight an entry and press  [OK] to edit the entry. Press  [MENU] to 1. delete the entry or 2. add a prefix.
 - If the entry is set to secret, you will be asked for your password.
- 5 To call the selected number, press .

PHONE BOOK



ADD NEW

Adds a new entry.

- 1 To add a new entry to the phone book, press  [MENU] .
- 2 To enter a name or number, use the Navigation Key to select the phone book field.

PHONE BOOK FIELD :
Name/Group/Mobile/Home/Office/Pager/Fax/Email/
Wireless Addr./Ringer/Msg.Ringer/Graphic/Memo/ Set
Secret.






Please refer to page 31 for more details on entering letters, numbers & symbols.

- 3.1 To save the entry, press  [SAVE].
- 3.2 To return to the previous page, press  [CLR].

GROUP



Allows you to classify phone entries into groups. Existing groups include Personal, Business, Etc. and All.

ADD NEW GROUP

- 1 To add a new group, press  [MENU]  .
- 2 Press  [MENU] to select "Add Group".
- 3 Input a new group name.
- 4 Press  [OK] to save it.



PHONE BOOK

CHANGE GROUP NAME

- 1 Select an existing group name with the Navigation Key.
- 2 Press  [MENU] to select "Rename".
- 3 Input a new group name.
- 4 Press  [OK] to save it.

NOTE The default group names (All, Personal, Business, Etc.) cannot be changed.

ERASE GROUP

- 1 Use the Navigation Key to select, then delete the group.
- 2 Press  [ERASE] to delete it.
- 3 Press  [OK] to save it.

NOTE The default group names (All, Personal, Business, Etc.) cannot be erased.

PHONE BOOK

SPEED DIAL

In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the last digit of speed dial # on the keypad.

- 1 Press [MENU] .
- 2 To assign a phone number to a location, select the location and press [SET].
 - If a phone number is already assigned to the location, press [ERASE] and [OK] to delete.
- 3 Select the entry with the Navigation Key and Press [OK].
 - If the entry is set to secret, you will be asked for your password.

MSG. GROUP

Allows the user to group up to 10 phone number. The user can add, change, and delete Msg.Group.

ADD NEW MSG. GROUP

- 1 To add a new group, press [MENU] . A maximum of seven groups is allowed.
- 2 Press [MENU] to select "Add Group".
- 3 Input a new group name.
- 4 Press [OK] to save it.

PHONE BOOK

CHANGE MSG. GROUP NAME

- 1 Select an existing group name with the Navigation Key.
- 2 Press [MENU] to select "Rename".
- 3 Input a new group name.
- 4 Press [OK] to save it.

SEND MSG. GROUP

- 1 Select an existing group name with the Navigation Key.
- 2 Press [MENU] to select "Send Msg.".
- 3 Input a message and phone number.
- 4 Press [OK] to send it.




ERASE GROUP

- 1 Select an existing group name with the Navigation Key.
- 2 Press [ERASE] to delete it.
- 3 Press [OK] to erase it.

PHONE BOOK

MY PHONE

To display your phone number and service provider (U.S.Cellular):




- 1 Press  [MENU] .
- 2 To return to the previous page, press  [OK].


RECENT CALLS



In idle mode, you can access recent calls by pressing  [MENU] .


ALL CALLS

Displays information about the ten most recently all numbers.

- 1 To see a list of the 10 most recently all numbers, press  [MENU] .
If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view details, press  [OK].


 *Call details include date, time and phone number.*




- 3 Press  [SAVE] again to save it or press  [ERASE] to delete it.


 *After 20 incoming, outgoing or missed calls, the oldest call will automatically be erased from the history.*


RECENT CALLS




MISSED CALLS


Displays information about the 20 most recently missed calls.
Place a call to a missed call number by simply pressing .

1 To see a list of the 20 most recently missed calls, press  [MENU]  . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2 To view missed call details, press  [OK].


 *Call details include date, time and phone number.*




3 Press   [SAVE] again to save it or press  [ERASE] to delete it.


 *After 20 missed calls, the oldest call will automatically be erased from the history.*


RECENT CALLS




RECEIVED CALLS


Displays information about the 20 most recently answered calls.
Place a call to a received call by simply pressing .

1 To see a list of the 20 most recently answered calls, press  [MENU]  . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2 To view incoming call details, press  [OK].


 *Call details include date, time and phone number.*





3 Press   [SAVE] again to save it or press  [ERASE] to delete it.

 *After 20 received calls, the oldest call will automatically be erased from the history.*

RECENT CALLS



DIALED CALLS

Displays information about the 20 most recently dialed numbers. Place a call to a dialed call by simply pressing .

- 1 To see a list of the 20 most recently dialed numbers, press  [MENU]  . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view dialed call details, press  [OK].



Call details include type of call, date, time and phone number.

- 3 Press  [SAVE] again to save it or press  [ERASE] to delete it.



After 20 dialed calls, the oldest call will automatically be erased from the history.






RECENT CALLS

CALL TIMERS

Checks the talk time and manages your calls within the limit you set. The five timers include:






LAST CALL

Displays talk time of last call.

- 1 Press  [MENU]   .
- 2 To return to the previous page, press  [OK].







ALL CALLS

Displays talk time of all incoming and outgoing calls, excluding web access calls.

- 1 Press  [MENU]   .
- 2 To view the time of the following items:
 - Voice Call
 - Data/Fax Call
- 3 To return to the previous page, press  [OK].

HOME CALLS

Displays talk time of all calls made within Home area.

- 1 Press  [MENU]   .
- 2 To view the time of the following items:
 - Voice Call
 - Data/Fax Call
- 3 To reset the timer, press  [RESET]. To return to the previous page, press  [OK].

RECENT CALLS

ROAM CALLS

Displays talk time of roaming calls.

- 1 Press [MENU] .
- 2 To view the time of the following items:
 - Voice Call
 - Data/Fax Call
- 3 To reset the timer, press [RESET].
To return to the previous page, press [OK].

CUMULATIVE CALLS

Displays talk time of all incoming and outgoing calls, excluding web access calls.

- 1 Press [MENU] .
- 2 To view the time of the following items:
 - Voice Call
 - Data/Fax Call
- 3 To reset the timer, press [RESET].
To return to the previous page, press [OK].

EASYEDGE

Your phone provides a unique feature -easyedge- that enables you to download melody ringers, wallpapers, games and more from your network to your phone. Please contact your service provider for the availability of these services.

START EASYEDGE

- 1 To launch “easyedge” from the standby mode, press [MENU] or .
- 2 When two or more icons appear on the screen, select an application with Navigation Key.
- 3 To start the application, press .
- 4 To end the application, press .
The phone will return to the standby mode.

DOWNLOADING APPLICATIONS

- 1 Press [MENU] or .
- 2 Select “easyedge” with Navigation Key and press .
- 3 Select “Start” with Navigation Key and press .
- 4 The phone will access your service provider’s server.
Follow the prompt to download applications.
 - To select an option, press then press .
 - When a prompt appears, press to proceed or to cancel.

DOWNLOADING MELODIES/WALLPAPERS

Before downloading melody ringers and wallpapers, you need to download the dedicated downloader.
Please contact your service provider for details.

EASYEDGE

APPLYING MELODIES/WALLPAPERS

Downloaded melody ringers apply to several functions including the incoming call alert, new text message alert, alarm clock and scheduler alarm.

Downloaded wallpapers apply to the standby mode.

CHECKING DATA FOLDER MEMORY

Downloaded melody ringers, wallpapers and applications are saved to the data folder in your phone.

- 1 Press [MENU] or .
- 2 Select "easyedge" with Navigation Key and press .
- 3 Select "Options" with Navigation Key and press .
- 4 Select "Information" with Navigation Key and press . The memory status will be displayed.
- 5 To exit, press .

ERASING AN APPLICATION

- 1 Press [MENU] or .
- 2 Select "easyedge" with Navigation Key and press .
- 3 Select "Options" with Navigation Key and press .
- 4 Select the application to be erased with Navigation Key and press .
- 5 Select "Remove" then press .

MOBILE WEB

CONNECT WEB

You can use your phone to browse the Internet if you have obtained phone Internet service from your service provider and if over-the air Internet access is available in your area.

- 1 Press [MENU] or .
- 2 Follow the procedures for "Chapter 7 WEB BROWSING" on page 111.

MEDIA GALLERY

IMAGES

GRAPHICS

1 Press [MENU] .

• Press [MENU] to select 1.Erase, 2.Erase All, 3.Change Title.

2 Scroll through the captured pictures to display the picture you want to send and press [SEND].

3 To access the “New Photo Msg” editor, see “New Photo Msg” on page 98.

4.1 To send text message, press [SEND].

4.2 To save text message, press [MENU] then select “Save to Outbox” and press [OK].

ANIMATIONS

1 Press [MENU] .

• Press [MENU] to select 1.Erase, 2.Erase All, 3.Change Title.

2 Scroll through the captured pictures to display the picture you want to send and press [SEND].

3 To access the “New Photo Msg” editor, see “New Photo Msg” on page 98.

4.1 To send text message, press [SEND].

4.2 To save text message, press [MENU] then select “Save to Outbox” and press [OK].

MEDIA GALLERY

PHOTOS

1 Press [MENU] .

• Press [MENU] to select 1.Erase, 2.Erase All, 3.Change Title.

2 Scroll through the captured pictures to display the picture you want to send and press [SEND].

3 To access the “New Photo Msg” editor, see “New Photo Msg” on page 98.

4.1 To send text message, press [SEND].

4.2 To save text message, press [MENU] then select “Save to Outbox” and press [OK].

TONES

1 Press [MENU] .

• Press [MENU] to select 1.Erase, 2.Erase All, 3.Change Title.

2 Scroll the saved voice memo you want to send then press [SEND].

3 To access the “New Photo Msg” editor, see “New Photo Msg” on page 98.

4.1 To send text message, press [SEND].

4.2 To save text message, press [MENU] then select the “Save to Outbox” and press [OK].

SETTINGS

Customizes your phone and optimizes performance through a variety of settings.

SOUNDS

Sets Ringer Type, Volume, Alert, Roam Ringer, Tone Length and Etiquette.

RINGER TYPE

To select a ringer type for incoming calls:

RINGER

- 1 Press [MENU] .
- 2 Select "Ringer" with the Navigation Key.
 - Left or Right key: Select "Ring Tones" or "Music bells".
 - Up or Down key: Select "Ringer".
- 3 Select one of the available ring types.
To confirm, press [SELECT].

MESSAGES

- 1 Press [MENU] .
- 2 Select "Tone 1,2,3,4,5" with the Navigation Key.
- 3 Select one of the available ring types.
To confirm, press [SELECT].

VOICE MAIL

- 1 Press [MENU] .
- 2 Select "Tone 1,2,3,4,5" with the Navigation Key.
- 3 Select one of the available ring types.
To confirm, press [SELECT].

SETTINGS

VOLUME

Controls the Ringer, Key tone, Voice Call and Speaker Phone volume.

RINGER

- 1 Press [MENU] .
- 2 Select one of the following options with the Navigation Key.
 - Silent: Mute the ringer, press (Min).
 - Ringer Off
 - Vibrate On
 - Ringer Mode: Up&Down (Level 1~5).
 - High & Vib: The ringer sounds after vibration, press (Max).
- 3 To confirm, press [OK].

KEY TONE

To adjust keypad tone:

- 1 Press [MENU] .
- 2 Adjust the keypad tone with the Navigation Key.
 - Off (Min-)
 - Level 1 - 5 (level 5, Max-)
- 3 To save, press [OK].

VOICE CALL

To adjust earpiece volume:

- 1 Press [MENU] .
- 2 Adjust the earpiece volume with the Navigation Key.
 - Level1-5 (Min- , Max-)
- 3 To save, press [OK].

SETTINGS

SPEAKER PHONE

To adjust speaker volume:

- 1 Press [MENU] .
- 2 Adjusts the speaker phone volume using the Navigation Key.
 - Level 1-5 (Min- , Max-)
- 3 To save, press [OK].

ALERT

When set, this setting alerts you to the following handset changes:

MINUTE

Sounds an alert every minute of a phone call.

- 1 Press [MENU] .
- 2 Select “Off” or “On” with the Navigation Key and press [OK] to save it.

ROAM

Sounds an alert when leaving a service area and entering a roaming service area.

- 1 Press [MENU] .
- 2 Select “Off” or “On” with the Navigation Key and press [OK] to save it.

CONNECT

Notifies you that a call has been successfully placed.

- 1 Press [MENU] .
- 2 Select “Off” or “On” with the Navigation Key and press [OK] to save it.

58

SETTINGS

FADE

Sounds an alert entering an area where calls cannot be made due to weak signal strength. The alert sounds in standby mode.

- 1 Press [MENU] .
- 2 Select “Off” or “On” with the Navigation Key and press [OK] to save it.

ROAM RINGER

Sounds a different ringer when you are in a roaming service area.

- 1 Press [MENU] .
- 2 Select “Distinctive” or “Normal” with the Navigation Key and press [OK] to save it.
 - Normal: Sounds the same ringer type as used in Home area.
 - Distinctive: Sounds a different ringer type.

tone length

To adjust tone length:

- 1 Press [MENU] .
- 2 Select “Normal” or “Long” with the Navigation Key and press [OK] to save it.

ETIQUETTE

To place the phone in Etiquette Mode so all phone sounds are muted:

- 1 Press [MENU] .
- 2 Select “On” or “Off” with the Navigation Key and press [OK] to save it.
 - On: Etiquette Mode on.
 - Off: Etiquette Mode off.

59






SETTINGS

DISPLAY

Allows you to customize display.

MENU STYLE






To select a display menu style.

- 1 Press  [MENU]   .
- 2 Select "Fold", "Grid" or "List" with the Navigation Key and press  [OK] to save it.






GRAPHICS

To select an LCD display:

WALLPAPER






- 1 Press  [MENU]   .
- 2 Select "Flower", "Digital Clock1,2", "Analog Clock1,2" or "Photo #" with the Navigation Key.
- 3 Select a display from the Animation and the Graphic list using the Navigation Key and press  [SELECT] to save it.

RECEIVED






- 1 Press  [MENU]   .
- 2 Select "Defaults" or "Photo #" with the Navigation Key.
- 3 Select a display from the Animation list using the Navigation Key and press  [SELECT] to save it.

SETTINGS

SCREEN SAVER

- 1 Press  [MENU]   .
- 2 Select "Time Setting" or "Screen Saver" with the Navigation Key.
 - Time Setting: Off, 5 Secs, 10 Secs, 20 Secs, 30 Secs.
 - Screen Saver: Select picture image.(Photo/Multimedia/Images).
- 3 To save it, press  [SELECT]

SUB SCREEN

- 1 Press  [MENU]   .
- 2 Select "Digital" or "Analog" with the Navigation Key.
- 3 Press  [OK] to save it.

SETTINGS

GREETING MESSAGE

To input a personal greeting:

- 1 Press [MENU] .
- 2 Select "Msg", "Font Color", "Background Color" or "Entry Message" with the Navigation Key. Press [OK].
 - Msg: On/Off.
 - Font Color: White, Blue, Dark blue, Magenta, Gray, Black.
 - Background Color: Transparent, White, Blue, Yellow, Gray, Black.
 - Entry Message: Enter message (Default-CellularOne).
- 3 To save, press [SAVE].

CONTRAST

To adjust the display contrast:

MAIN LCD/SUB LCD

- 1 Press [MENU] .
- 2 Select "Main LCD" or "Sub LCD" and select one of the following options with the Navigation Key.
 - Main LCD: Level 1~5.
 - Sub LCD: Level 1~5.
- 3 To save, press [OK].

SETTINGS

BACKLIGHT

Backlights the display and keypad for easy viewing in dark places.

LCD/KEYPAD

- 1 Press [MENU] .
- 2 Select "Main LCD" or "Keypad" and select one of the following options with the Navigation Key.
 - LCD: 5s/15s/30s/60s/Always On.
 - Keypad: 5s/15s/30s/60s/Always On/Always Off.
- 3 To save, press [OK].

DATA SVC.

CONNECTION

Choose the connection mode for the usage of your phone.

- 1 Press [MENU] .
- 2 Select one of the following connection modes with the Navigation Key.
 - Voice Call: To receive a voice call.
 - Data Only: To receive data when connected to PC.
 - Fax Only: To function as a fax when connected to PC.
- 3 Press [OK] to save.

NOTE This function is available only when the phone is connected to data cable.

SETTINGS

SECURITY

Prevents unauthorized use of your phone. The following settings can be restricted:

PHONE LOCK

Prevents others from using your phone without permission. When locked, calls cannot be made and the menu cannot be accessed without entering the password.

- 1 Press [MENU] and enter "Password".



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

- 2 Press and select "Lock Now" or "Lock On Power Up", "Unlock".

- Lock Now: Lock the phone now.
- Lock on Power Up: Lock phone whenever turned on.
- Unlock: Do not lock the phone.

- 3 To save, press [OK].

RESTRICT

When you attempt to "This phone is restricted" will be displayed.

DIALED

Blocks all dialed calls – except emergency calls – but allows incoming calls to be placed.

- 1 Press [MENU] and enter "Password".

- 2 Press and select "Allow" or "Restrict" with the Navigation Key.

- Allow: Allows dialed calls.
- Restrict: Restricts dialed calls.

- 3 To save, press [OK].

SETTINGS

RECENT CALLS

Blocks access to Recent Call List.

- 1 Press [MENU] and enter "Password".

- 2 Press and select "Allow" or "Restrict" with the Navigation Key.

- Allow: Allow an recent calls.
- Restrict: Restrict an recent calls.

- 3 To save, press [OK].

PHONE BOOK

Blocks access to, and protects data in your phone book.

- 1 Press [MENU] and enter "Password".

- 2 Press and select "Allow" or "Restrict" with the Navigation Key.

- Allow: Allow access to the phone book.
- Restrict: Restrict access to the phone book.

- 3 To save, press [OK].

CAMERA

Restricts access to camera mode.

- 1 Press [MENU] and enter "Password".

- 2 Press and select "Allow" or "Restrict" with the Navigation Key.

- Allow: Allows access to the camera.
- Restrict: Restricts access to the camera.

- 3 To save, press [OK].

SETTINGS

DATA CALL

Restricts data calls from being placed.

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict" with the Navigation Key.
 - Allow: Allows data calls.
 - Restrict: Restricts data calls.
- 3 To save, press [OK].

900 #'S

Restricts calling 900 dial service numbers.

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict" with the Navigation Key.
 - Allow: Allows calls to 900-dial services.
 - Restrict: Restricts calls to 900-dial services.
- 3 To save, press [OK].

LONG DISTANCE

Restricts calling long distance numbers – the phone is limited to calling numbers within the area.

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict" with the Navigation Key.
 - Allow: Allow a long distance call.
 - Restrict: Restrict a long distance call.
- 3 To save, press [OK].

SETTINGS

CHANGE CODE

Changes your 4-digit password.

- 1 Press [MENU] and enter "Password".
- NOTE** The default password is the last 4 digits of your phone number.
- 2 Press .
 - 3 Enter a new password and press [OK].
 - 4 Enter the new password again and press [OK].

SPECIAL #'S

Stores 3 phone numbers that can be called even in the lock mode.

- 1 Press [MENU] and enter "Password".
- NOTE** The default password is the last 4 digits of your phone number.
- 2 Press and select a location with the Navigation Key.
 - 3 Press [SET] and input a phone number, press [OK] again to save.

SETTINGS

ERASE ALL

Clears all phone book, downloads, and photo gallery entries.

- 1 Press [MENU] and enter "Password".



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

- 2 Press .

- 3 Select "Phone Book", "Downloads" or "Photo Gallery" with right soft key and press [OK] to erase it.

RESET PHONE

When you Reset the phone it returns to its original default settings.

- 1 Press [MENU] and enter "Password".



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

- 2 Press .

- 3 Select "Yes" or "No" with the Navigation Key. Press [OK].

When you select "yes" you will see "Phone will restore default settings and power cycle" appear on the display. Press [OK] to begin Reset process.

- 4 To reset the phone, press [OK].

SETTINGS

WAP

The User ID and Password is for certification, when connecting to MMS or Brew by 1X.

USER ID

- 1 Press [MENU] and enter "Password".



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

- 2 Press .

- 3 Your USER ID appears in the Editor screen.

- 4 Press [STORE] or press [CANCEL].

PASSWORD

- 1 Press [MENU] and enter "Password".



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

- 2 Press .

- 3 Your password appears in the Editor screen.

- 4 Press [STORE] or press [CANCEL].

SETTINGS

OTHERS

ANSWER OPTIONS

CALL ANSWER

To select an answer mode:

- 1 Press [MENU] .
- 2 Select "Any Key" or "Send Key" with the Navigation Key.

- Any Key: Press any key to answer an incoming call except , , and .
- Send Key: Press only to answer a call.

- 3 To save, press [OK].

ACTIVE FLIP

Selects an Active Flip Answer mode as follows.

- 1 Press [MENU] .
- 2 Select "On" or "Off" with the Navigation Key.
- 3 To save, press [OK].

- When Active Flip On is selected, an incoming phone call can be answered simply by opening the phone.
- When Active Flip Off is selected, you will need to open the phone and follow the Answer mode you have selected.

SETTINGS

AUTO ANSWER

Automatically answers a call after a preset seconds of rings. An ideal setting for the hands-free car kit. Auto Answer only works when the phone is open.

- 1 Press [MENU] .
- 2 Select on of the following with the Navigation Key.

- Off / 5 / 10 / 18 seconds.



This function will not be active when you select Vibrate, Silent, Etiquette or Ringer after Vib as a ringer mode.

- 3 To save, press [OK].

AUTO RETRY

Automatically redial a call up to 5 times after a set time interval.

- 1 Press [MENU] .
- 2 Select Retry Time and Select a time interval option (Off, 3, 5, 7, 10 seconds) with the Navigation Key.
- 3 Select Repeat and Select a time interval option (1 time, 3 times, 5 times) with the Navigation Key.
- 4 To save, press [OK].

SETTINGS

LANGUAGE

Selects the language in which letters are displayed on screen.

- 1 Press [MENU] .
- 2 Select either “English” or “Spanish” with the Navigation Key.
- 3 To save, press [OK].

VOICE PRIVACY

Enhances voice privacy and avoids tapping during a call.

- 1 Press [MENU] .
 - 2 Select “Standard” or “Enhanced” with the Navigation Key.
 - 3 To save, press [OK].
- “Enhanced”: Makes it more difficult to wire tap.

TTY MODE

Your phone is able to operate with a TTY (Teletypewriter) device in both analog and digital modes. This feature is system dependent and may not be available in all areas.

- 1 Press [MENU] .
- 2 Select one of the following options (TTY off/TTY+TALK/TTY+HEAR/TTY Full) with the Navigation Key and press [OK].

SETTINGS

LOCATION

To determine whether or not the network system can detect your position:

- 1 Press [MENU] .
- 2 Select “911 Only” or “Location On” with the Navigation Key.
 - 911 Only: Your location will be hidden from network & application except 911.
 - Location On: Your location is now available to the network.
- 3 To save, press [OK].

SYSTEM

SET MODE

Selects the Preferred System.

- 1 Press [MENU] .
- 2 Select one of the following options (Automatic B /Automatic A /Home only) with the Navigation Key and press [OK].
 - Automatic B: Scan the radio channels based on the Automatic B setting.
 - Automatic A: Scan the radio channels based on the Automatic A setting.
 - Home only: Scans radio channels only within your home area or home affiliated area.

SETTINGS

NAM SETTING

Enables Auto NAM (Number Assignment Modules) or manually selects a NAM.

AUTO NAM

Automatically switches phone to proper NAM when you have multiple NAM registrations.

- 1 Press [MENU] .
- 2 Select "Yes" or "No" then, press [OK] to save it.

CHANGE NAM

Changes the NAM used by the phone when you have multiple registrations.

- 1 Press [MENU] .
- 2 Select "NAM1" or "NAM2-U.S. Cellular" then press [OK] to save it.

PRL ID

Displays the phone's PRL (Preferred Roaming List).

- 1 Press [MENU] .
- 2 To return to the previous page, press [OK].

SETTINGS

PHONE INFO.

To display the version of your phone:

S/W VERSION

- 1 Press [MENU] .
- 2 The software version appears.
- 3 Press [OK].

H/W VERSION

- 1 Press [MENU] .
- 2 The hardware version appears.
- 3 Press [OK].

EASYEDGE VERSION

- 1 Press [MENU] .
- 2 The Easyedge software version appears.
- 3 Press [OK].

UTILITIES

EVENT

Sets an event and reminds you of that event.

ADD PLAN

- 1 Press [MENU] .
- 2 Move the Navigation Key left, right, up or down to choose a date in the calendar and press [OK].
- 3 To select alarm options press the Navigation key downwards.

DATE SETTING

Use the keypad to change or enter the date then press [OK].

TIME SETTING

Use the keypad to set a time and to select AM or PM then press [OK].

PLAN SETTING

Use the keypad to input a plan message then press [OK].

SETTING

Select an alert time interval option (On Time, 10 Min Before, 30 Min Before, 1 Hour Before, No Alarm) using the Navigation Key, then press [OK].

RINGER SETTING

To set a Ringer, press [MENU], then select "Default" or "Change" using the Navigation key. To save it press [SELECT].

- Default: To set default ringer type.
- Change: To set custom ringer type.

UTILITIES

- 4 Press [SAVE] to save it or [BACK] to return to the calendar.
- 5 The date of the event will be marked on your calendar.

VIEW EVENT LIST

- 1 To view the Event List, press [MENU] .
- 2 Move the Navigation Key to choose an event and press [OK] or [ERASE]. Press [MENU], then select "Erase Passed" or "Erase All" using the Navigation Key.


ALARM

You can set up to 3 alarms.



- 1 To display alarm entries, press [MENU] .
- 2 Select one of the entries using the Navigation Key. To set a new alarm, choose alarm 1, 2 or 3. To edit an existing alarm, select that alarm. Press [OK].
- 3 Press the Navigation Key down to select alarm options.

UTILITIES


DATE SETTING

Use the keypad to change or enter the date for the alarm then press  [OK].


TIME SETTING

Use the keypad to set a time for the event and the  to select AM or PM then press  [OK].



SETTING

Use the Navigation key to select a setting for the alarm (Once, Daily, Weekly, Monthly, Off) then press  [OK].

SNOOZE SETTING


Use the Navigation key to select a Snooze setting (Off, 1 time after 5 min, 1 time after 10 min, 3 times by 5 min) then press  [OK].


RINGER SETTING

To set a "Ringer" press  [MENU], then select "Default" or "Change" using the Navigation key. To save it press  [SELECT].

- Default: To set default ringer type.
- Change: To set custom ringer type.

PLAN SETTING

Using the keypad input an alarm message then press  [OK].

- 4 To save an alarm setting press  [SAVE].






UTILITIES

MEMO PAD

Your phone includes an internal memo pad that can be used to compose and store reminders and notes.







ADD MEMO

To compose a memo (there is a 80-letter limit):

- 1 Press  [MENU]   .
- 2 Input a new text memo and press  [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)






VIEW MEMO

To view a saved memo:

- 1 Press  [MENU]   .
- 2 Display the list all memo in saved order. Select with Navigation Key and press  [OK].
- 3 The selected memo will appear. To edit it, press  [MENU] select "Edit" and input a new text memo.

SETTINGS

To select memo pad background image:

- 1 Press  [MENU]   .
- 2 Select (Paper/Pattern/Sea/Sky/Flower) with the Navigation Key (left or right) and press  [OK].

UTILITIES

CALCULATOR

To access the calculator:

1 Press [MENU] .

2 Follow the instructions below to calculate $(8*6)/4-2.5$

Input 8.
Move the Navigation Key rightward.
Input 6 and press the Navigation Key.
Move it leftward.
Input 4 and press the Navigation Key.
Move it downward.
Input 2 and press the to input (.).
Press 5, .



3 To reset, press [RESET].

WORLD CLOCK

To display the time and date in pre-programmed cities:

1 Press [MENU] .

2 Select a city with the Navigation Key.

3 The world map appears with the city, its date and time.

UTILITIES

STOPWATCH

Simultaneously times up to six different events. To operate the stopwatch:

1 Press [MENU] .

2 To measure a time period.

- To start the stopwatch, press .
- To pause it, press .
- Press [START] to resume it or [RESET] to return to the previous page.

3 To time up to six events at once:

- To start, press .
- To stop a time period and continue measuring another one, press [CONT].
- To stop the second and continue measuring a third one, press [CONT].
- To measure up to six time periods, repeat the above steps.
- To stop, press . To review the results, press [VIEW].
- To return to the stopwatch, press [OK].
- To reset it, press [RESET].

CAMERA

TAKE A PHOTO

Taking pictures with your phone's built-in camera is as simple as choosing a subject, pointing the lens, and pressing a button. You can activate the Camera Mode and take pictures when the phone is open.

TAKING A PICTURE FROM THE MENU

- 1 Press [MENU] or press the side camera button.
- 2 Point the camera lens at your subject. You can check the picture framing through the main display screen.
- 3 Press [OK] or the Side Camera button to take the picture.
- 4 To save the picture, press [SAVE]. To go back to idle mode without saving the picture, press . To send the picture to someone, press [SEND].

- You cannot place or receive calls while in Camera Mode. All incoming voice calls will be forwarded to voicemail.

TAKING A PICTURE IN IDLE MODE

- 1 Press the Side Camera button to activate Camera Mode.
- 2 Point the camera lens at your subject. You can check the picture framing through the main display screen.
- 3 Press the Side Camera button to take the picture.
- 4 To save the picture, press [SAVE]. To go back to idle mode without saving the picture, press . To send the picture to someone, press [SEND].

CAMERA

CAMERA MODE OPTIONS

When the phone is open and in Camera Mode, several user options are available.

GALLERY

Press [GALLERY] to enter Review Mode. From there you can view the captured pictures, view a running count of stored pictures and more.

RESOLUTION

Press the Navigation Key up or down to adjust the picture size from High (640x480 pixels) to Med (320x240 pixels) to Low (160x120 pixels). The current picture size appears at the bottom of the display screen.

BRIGHTNESS

Press the Navigation Key right (increase) or left (decrease) for the brightness level.

UNDER [MENU]

SUB LCD

Press [MENU] , the sub LCD will show a representation of the picture to be taken. Use the sub LCD to help frame yourself for a self portrait. You can also use the round mirror next to the camera lens for self portraits.

FLASH/FLASH OFF

Press [MENU] , select Flash to turn the camera's flash on or off, press [OK] to save it. This is for use with the CKP8900 optional flash kit.

- Do not use the flash close to eyes as it may cause visual impairment.

CONTRAST

Press [MENU] , select Hi, Normal, Low, press [OK] to save it.

QUALITY

Press [MENU] , select High, Normal, Low picture quality, then press [OK] to save it. Fewer pictures can be stored when using the High setting, which requires more memory. (Default setting is Normal.)

SHUTTER SOUND

Press [MENU] , select Shutter 1, Shutter 2, or Shutter 3, press [OK] to save it. If your phone's ringer is set to Silence, no shutter sound will be heard.

- After taking a picture, all options except Shutter Sound return to their default settings.

CAMERA

PHOTO GALLERY

Your phone enters Review Mode after taking a picture.

1 Press [MENU] .

- In Review Mode you can view all the pictures you have taken, store selected images in your phone, send pictures to the message, delete images and access additional picture options.

Press [MENU] to display the following options :

- Edit Title:** Edit the picture's title.
- Send Photo:** Upload the current picture to the send message.
- Assign Picture:** To assign the selected picture to display for specific tasks (Wallpaper/Screen Saver/Picture Caller ID/Incoming Call).
- Erase:** Erase the current picture from your phone.
- Erase All:** Erase all captured pictures from your phone.
- View Lists:** Display pictures title name.
- Photo Info:** Display information on the selected picture, such as title, date/time, size, etc.

PHOTO MESSAGE

Once you've taken a picture, you can use the messaging capabilities of your phone to instantly share it with family and friends. To send a picture to a recipient's email address or to their wireless phone:

1 Press [MENU] .

2 Press for "New Photo" or for a "Saved Photo". If you are looking for a saved photo, scroll through the captured pictures to display the picture you want to send.

3 Highlight the picture and press [OK].

4 Under Send To, enter the email address or mobile phone number and press [OK].

CAMERA

5 Under Message, press . The picture will come up with the flashing cursor underneath. Enter the message and press [OK].

6 Under Subject, enter a subject line for the message. Press [OK].

7 If you want to send the picture to any additional recipients, enter their information under CC: or BCC:.

HELP

1 Press [MENU] .

- Use up/down keys to change photo size and left/right keys to change brightness.
- Camera menu provides more settings:
- Sub LCD: Enable previewing on external LCD.
 - Flash: Turn on/off flashing if attached.
 - Contrast: Set photo contrast.
 - Quality: Set photo quality. Higher quality generates bigger size photo.
 - Shutter Sound: Select a sound to use for shutter.
 - LED: Turn on/off LED indicator when a photo is taken.

CAMERA

FLASH (SPECIAL SALES)

TO USE FLASH

1. Remove the protective cap.

- Hold the flash unit securely between thumb and pointer finger. With other hand, place thumb over plastic protective cap and press downward. (similar to if you were breaking in half, see figure 1).



2. Open the earphone microphone terminal cap to expose the port.

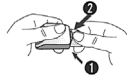


3. Insert the flash into the earphone microphone port. The front of the flash should be facing the object of photography.

4. Set up the flash on the camera menu.

5. Press camera button. The flash will light when the picture is taken.

Install the protective cap. The protective cap has securing feet on either side. Place (1) securing foot in one end of groove then press other foot (2) upwards into groove.



NOTE

You should be at least 2 feet (about 60cm) away from object of photography to ensure proper lighting. If you are too close the picture will come out white.

CAMERA



To prevent and protect the user, others and their property, carefully read the following hints for safely using the flash.

HINTS FOR USING FLASH

- Use the flash at room temperature. It may not light or charge in temperatures under 5°C or above 35°C.
- Do not use in a damp area.
- Use in a high or low temperature area may cause the flash life to shorten or extend the charging time.
- Clean the plug with a cotton stick. Dust in the plug may cause irregular charging.
- If the flash repeats to radiate, the intensity of the radiation will shorten and the images will become darker. If the intensity of radiation decreases, buy another flash.
- Remove the terminal of the flash from the ear phone jack during a call. It may cause some noise while using phone.
- Do not use while driving a car. It may cause a car accident.
- Do not flash near your eyes.
- Do not leave out in the reach of children. They may receive an electric shock by putting it in their mouths.
- If internal parts are exposed, do not touch the exposed parts. You may receive an electric shock.
- If it generates heat, smells bad, or is damaged, remove it from the phone immediately. There is a risk of fire or explosion.
- Do not disassemble, reconstruct or repair. The flash contains a high voltage circuit inside. Visit a nearby service center for repair.
- Do not use or put the flash near fire, open flame or high temperature area. There is a risk of fire or explosion.
- Do not wet it by sweat, water or salt water. If the substrate gets wet, it may cause the heat, explosion or firing. When it wets, turn off the power and visit near service center.
- Do not allow any liquids to spill on the flash or expose it to rain, water or moisture. Do not place it in the damp area like bathroom.
- Do not heat or dry it with drier if it gets wet.
- Do not place a cup or vase near it. Spilling liquid on it may cause the heat, explosion or firing.
- Do not drop or shock it.
- Do not allow any metal objects to touch the flash's plug (metal part). There is a risk of fire or explosion.
- Use only with the CDM8900 phone.

MEMO

Chapter 5


VOICE SERVICE

This chapter addresses Voice Service, an advanced feature that allows you to place calls using your voice. With Voice Memo (VM) you can record voice messages and set the Answering Machine. Topics include:


- VOICE RECOGNITION MODE
- VOICE TOOLS MENU

VOICE RECOGNITION MODE

Voice Recognition (VR) enables you to place calls using your voice and to record voice memos.

- 1 Press and hold  until your phone turns to Voice Recognition mode.
- 2 The display to the right will appear when the phone turns on Voice Recognition mode.


















NAME

- 1 Press and hold  until your phone turns to Voice Recognition mode.
- 2 If you say a name or tag that is already in the phone book, the number and name will be displayed and you will hear “Calling (name)”.

VOICE TOOLS MENU

VOICE MEMO

Voice Memo allows you to record a reminder message that can be up to 60 seconds. To record a memo:

- 1 Press  [MENU]  to start Tools menu.
- 2 To enter a voice memo, press .
- 3
 - 1.1. To record a voice memo, press . Instructions will be displayed and you will hear “Please record at the tone”.
 - 1.2. To stop recording a memo, press  [STOP] or  [PAUSE].
 - 1.3. Press  [MENU], after recording a voice memo you can “Review” or “Re-record”.
 - 1.4. Press  [SAVE] and you can input a “Voice Memo” title, press  [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)
2. To play voice memos, press .
Highlight the message you want to play then press  [PLAY] or press  [ERASE].
3. To play speaker mode, press .
Highlight the message you want to play then press  [PLAY] or press  [ERASE].
4. To erase all voice memos, press .
“Erase all voice memos?” will be displayed.
Press  [OK] to erase all voice memo.

VOICE TOOLS MENU

VOICE DIAL

- 1 Press [MENU] to start Voice Tools menu.
- 2 To enter a voice dial, press .
- 3
 - 1.1. To record a voice dial, press .
Instructions will be displayed and you will hear "Name Please".
 - 1.2. To recording name, and Instructions will be displayed.
 - 1.3. Enter a "Voice Dial Phone Number",
press [OK].
Press [PAUSE] to insert "Hard Pause" or "Timed Pause".
2. To play voice dial, press .
Highlight the message you want to play then press [PLAY] or press [ERASE].
3. To play speaker mode, press .
Highlight the message you want to play then press [PLAY] or press [ERASE].
4. To erase all voice dial, press .
"Removing all voice tags Proceed?" will be displayed.
Press [OK] to erase all voice dial.

VOICE TOOLS MENU

TRAIN WORDS

Train allows you to use Control words to make a call without using the keypad.

YES

Use "Yes" to train or untrain the Voice Recognition with the control words, "Yes".

- 1 Press [MENU] .
- 2 To train with a word, follow the voice prompts.

NO

Use "No" to train or untrain the Voice Recognition with the control words, "No".

- 1 Press [MENU] .
- 2 To train with a word, follow the voice prompts.

WAKE-UP

Use Wake-Up to train or untrain the Voice Recognition with the control word, wake up.

- 1 Press [MENU] .
- 2 To train with a word, follow the voice prompts.

UNDO TRAIN ALL

- 1 Press [MENU] . And you will see "Undo voice recognition for all procedures?".
- 2 Select "OK" or "Cancel" with the [OK] or [CANCEL].

VOICE TOOLS MENU

VOICE SETTING

SET ACTIVE

Allows the user to activate or deactivate voice dial service.

- 1 Press [MENU] and select "Set Active".
- 2 Select "Active Flip" or "Send Key" with the Navigation Key.
- 3 To save, press [OK].

HFK MODE

While using the Hands Free Kit, activates or deactivates the voice recognition function.

- 1 Press [MENU] and select "HFK Mode".
- 2 Select "On" or "Off" with the Navigation Key.
- 3 To save, press [OK].

Chapter 6

VOICE MAIL AND TEXT MESSAGE

This chapter addresses Voice Mail and Text Messaging functions including:

- WHEN A NEW MESSAGE ARRIVES
- VOICE MAIL
- NEW TEXT MSG
- NEW PHOTO MSG
- INBOX
- OUTBOX
- WEB ALERTS
- SAVED
- QUICK TEXT
- ERASE ALL
- SETTINGS

WHEN A NEW MESSAGE ARRIVES

- 1 The following display appears when a new message arrives.

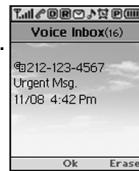


- 2 To display the message, press [READ].

VOICE MAIL

Displays the number of voice mails and accesses them by pressing .

- 1 To access your voice mail, press [MENU] or .



NEW TEXT MSG

To send a new message:

- 1 Press [MENU] or .
- 2 Input a receiver's phone number and press [OK].
 - You can look it up from the phone book by pressing [MENU].
- 3 Input a new text message and press [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)
- 4 Input a default callback number and press [OK].
- 5 Select the priority (Normal/Urgent) by using the Navigation Key.
- 6 Select the insert signature option (On/Off) by using the Navigation Key.
- 7.1 To send the text message, press [SEND].
- 7.2 To save the text message, press [MENU] and select the "Save to Outbox" then press [OK].

NEW PHOTO MSG

To send a new picture message:

- 1 Press [MENU] or .
- 2 To take a picture, press [OK].
(Please refer to page 82 for more details on taking a photo.)
- 3 Input a receivers phone number and press [OK].
 - Press [MENU] to select 1.Find, 2.Save, 3.Msg. Group
- 4 Input a new text message and press [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)
 - Press [MENU] to select 1.Voice record, 2.Insert Q.Text, 3.Delete Photo, 4.Insert Sound, 5.Insert Slide, 6.Slide Duration.
- 5 Input a message subject and press [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)
- 6 To send a message to another person, select the “CC” or “BCC” and input receiver's phone number, and press [OK].
- 7 To send the text message, press [SEND].
- 8 To save the text message, press [MENU] and select “Save to Outbox” then press [OK].

INBOX

The Inbox manages received text messages. To access:

- 1 Press [MENU] or .
- : Urgent New Msg (not read)
 - : Urgent Read Msg
 - : New Msg (not read)
 - : Old Msg (already read)
 - : Lock (already read and locked)
- 2 Select a message and press [OK].
The message is displayed.
 - 3 Press [MENU].

1. REPLY

- 1 To reply to the text message, press .
- 2 Type your reply message and press [OK].
(Please refer to page 31 for more details on entering letters, numbers & symbols.)

2. REPLY WITH COPY

- 1 Reply to the received message with received phone no & contents.

3. FORWARD

- 1 To forward the text message, press “Forward”.
- 2 Input the phone number of the person you are sending the message, and press [OK].
- 3 Input any text message to go along with the forwarded message, and press [OK].
- 4 Press [SEND] to send.

INBOX

4. SAVE TO CONTACT

- 1 Press .

5. SAVE TO SAVED

- 1 To save the text message in your phone, press "Save to Saved".
- 2 Press .

6. SAVE TO QUICK TEXT

- 1 Press .

7. BLOCK SENDER

To register the phone number or e-mail that needs to be blocked or unblocked enter either the phone number or e-mail then pressing .

- 1 To block all incoming messages from addresses on block list, press "Block Sender".

- BLOCK: Blocks message of the number the user has registered.
- UNBLOCK: Deactivates Block.
- VIEW LIST OF BLOCKED ADDRESS: Displays the blocked list on LCD.

8. LOCK & UNLOCK

- 1 To lock or unlock the text message, press "Lock/Unlock".
- 2 Select "Lock" to lock the message or "Unlock" to unlock the message, then press .

OUTBOX

Manages sent text messages or messages waiting to be sent.

CHECKING SENT TEXT MESSAGES

- 1 Press [MENU] or . Select a message with the Navigation Key. Then, press [OK].

- : Auto resend
- : Delivered
- : Displays remaining text
- : Not send
- : Read
- : Sent

- 2 The text message is displayed.
- 3 To Erase Message, press [ERASE].
- 4 Press [MENU].

1. RESEND

- 1 To resend a text message, press .

2. EDIT MESSAGE

- 1 To send a message to another person, press .
- 2 Input the phone number and press .
- 3 Input a text message and press .

OUTBOX


3. SAVE TO CONTACT


1 Press .

4. SAVE TO SAVED


1 Press .

5. LOCK & UNLOCK

1 To lock or unlock the text message, press  "Lock/Unlock".

2 Select "Lock" to lock the message or "Unlock" to unlock the message, then press .



6. STATE

1 To display the status of an outbox message, press .




WEB ALERTS

WEB ALERTS

1 Press  [MENU]   or  .

2 To select GoTo, press .
To select Erase Message, press .

3 The text message will be displayed.

- : Read Message.
- : Unread Message.
- : Displays remaining text.
- GoTo: Connecting Selected Site.
- Erase: Erase Selected Message.

SAVED

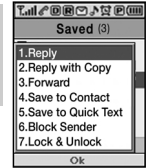
QUICK TEXT

SAVED

Manages saved messages from the Inbox/Outbox.

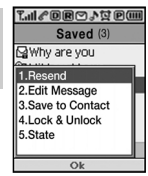
- 1 Press [MENU] or .
Select a text message with the Navigation Key and press [OK].
- 2 The text message is displayed.
Press [MENU].
- 3 3.1 If the text message is saved from the "Inbox" menu, this screen will be displayed.

To select inbox menu:
reply, reply with copy, forward, save to contact, save to quick text, block sender, lock & unlock.



If the text message is saved from the "Outbox" menu, this screen will be displayed.

To select outbox menu:
resend, edit message, save to contact, lock & unlock, state.



3.2 Select one by pressing .

- 4 To Erase Message, press [ERASE].

QUICK TEXT

To edit the quick text message you have saved:

- 1 Press [MENU] or .
Select one message from the list with the Navigation Key and press [OK].
- 2 The text message is displayed.
Press [MENU].
- 3 To add the saved quick text message, press [ADD NEW].

To edit the saved quick text message, press [EDIT].

To erase the saved quick text message, press [ERASE].

ERASE ALL

ERASE MESSAGES

- 1 Press [MENU] or .
- 2 1. To erase all the inbox messages, press .
 - Erases old inbox or entire inbox.
 2. To erase all the outbox messages, press .
 - Erases old outbox or entire outbox.
 3. To erase the saved messages, press .
- 3 Select "OK" or "Cancel" with [OK] or [CANCEL].
 - Old: Deletes read Message(s).
 - Entire: Deletes all the message(s) in the Inbox (However, the locked Message(s) will not be deleted).

SETTINGS

Manages messaging features through various features.

AUTO SAVE

SAVE SENT MSG

- 1 Press [MENU] or .
- 2 Press . Select one from "Off", "On" or "Prompt" with the Navigation Key.
- 3 Press [OK].

PHOTO RECEIVE

- 1 Press [MENU] or .
- 2 Press . Select "Automatic" or "Prompt" with Navigation Key.
- 3 Press [OK].

AUTO ERASE

Automatically erases inbox/outbox messages when new messages arrive.

AUTO ERASE INBOX

- 1 Press [MENU] or .
- 2 Press . Select "Disable" or "Enable" with Navigation Key.
- 3 Press [OK].

SETTINGS

AUTO ERASE OUTBOX

- 1 Press [MENU] 3rd 0th 2nd or 0th 2nd.
- 2 Press 2nd.
Select "Disable" or "Enable" with Navigation Key.
- 3 Press [OK].

DEFAULT CALL BACK

Edits a default call back number so that the recipient can call back or reply.

- 1 Press [MENU] 3rd 0th or 0th.
- 2 Press 3rd.
Input a call back number, then press [OK].

- You can look it up from the phone book by pressing [FIND].

ALERT

Enables phone to alert you of an incoming message.

- 1 Press [MENU] 3rd 0th or 0th.
- 2 Press 4th.
Select one from the "Voice Mail", "Messages" or "Remind" with the Navigation Key.

- Voice Mail: Select "Tone 1, 2, 3, 4, 5".
- Messages: Select "Tone 1, 2, 3, 4, 5".
- Remind: Select "On" or "Off".

- 3 Press [OK].

SETTINGS

EDIT SIGNATURE

Create a signature that can be automatically inserted at the end of a message.

- 1 Press [MENU] 3rd 0th or 0th.
- 2 Then press 5th.
Select "Edit Signature" or "Insert Signature".

- EDIT SIGNATURE: Edit user's signature.
- INSERT SIGNATURE: Select whether the signature will be included into sending message.

- 3 Press [OK].

DIRECT VIEW

If the Direct View is set to on, the user will be able to view the message by pressing the read key. If the Direct View is set to off, the user can view the message by entering SMS Menu-> Inbox.

- 1 Press [MENU] 3rd 0th or 0th.
- 2 Then press 6th.
Select "On" or "Off" with the Navigation Key.

- ON: Set to read msg without entering inbox in SMS menu.
- OFF: Set to read msg after entering inbox in SMS menu.

- 3 Press [OK].

ENTRY MODE

Sets an Entry Mode as a default. The T9 mode indicator will appear whenever the input mode is activated if the T9 mode is the default.

- 1 Press [MENU] 3rd 0th or 0th.
- 2 Then press 7th.
Select "Alpha Mode" or "T9 Mode" with the Navigation Key.
- 3 Press [OK].

SETTINGS

BLOCK OR UNBLOCK

1 Press [MENU] or .

2 Then press .

Select "Block", "Unblock" or "View List of Blocked Address" with the Navigation Key.

- BLOCK: Enter the address to block.
- UNBLOCK: Enter the address to remove from block.
- VIEW LIST OF BLOCKED ADDRESS: Display the blocked list on LCD.

3 Press [OK].

Chapter 7






WEB BROWSING

This chapter addresses Internet services and web browsing. For more detailed information contact your service provider.






- START INTERNET BROWSER
- BROWSER MENU

START INTERNET BROWSER







ACCESS THE INTERNET

- 1 To start your Internet browser and access websites through your wireless handset press  [MENU]   or  .




BROWSER MENU

The browser menu lists the actions necessary to operate the browser, press  [MENU]   or press   to access the browser menu.







BACK

- 1 To return to the previous page, press  [MENU]   or  , then press .

HOME







- 1 To display the homepage, press  [MENU]   or  , then press .

EXIT







- 1 To exit browser, press  [MENU]   or  , then press .

BROWSER MENU

MARK SITE







- 1 To add the current page to your bookmark list, press  [MENU]   or  , then press .
- “No bookmark service site” is displayed when the Internet site cannot support the bookmark service.

BOOKMARKS

- 1 To view your “Bookmark List”, press  [MENU]   or  , then press .
- This provides easy website access without entering its URL.







INBOX

Display inbox list.

- 1 To select “Inbox”, press  [MENU]   or  , then press .

RELOAD

Reloads current page.

- 1 To select “Reload”, press  [MENU]   or  , then press .

BROWSER MENU

SETTINGS

Displays Browser Menu Settings.

- To select "Settings", press [MENU] or , then press .

HOMEPAGE

Enables you to change the homepage.

- To select "Homepage", press .

PROXY

Enables you to select another WAP PROXY.

- To select "Set UP.Link", press .

CIRCUIT LINGER

- To select "Circuit Linger" timer, press .

SCROLL MODE

- To select "Scroll Mode", press .

SCROLL SPEED

- To select "Scroll Speed", press .

KEY PRESS TIMEOUT

- To select "Key Press Timeout", press .

114

BROWSER MENU

SECURITY

Display Security Menu Options.

- To select "Security", press .

ADVANCED

Displays Advanced Menu options.

- To select "Set UP.Link", press .

- SHOW URL
Displays the URL (Uniform Resource Locator) of the current page.
 - To select Show URL, press .
- RESTART BROWSER
Causes the deck history and deck cache to be cleared and starts a new session with the UP.Link.
 - To select Restart Browser, press .

115

MEMO

Chapter 8

SAFETY AND WARRANTY

This chapter addresses the safety guidelines and precautions to follow when operating your phone. Before operating your phone, please be aware of all the safety details.

This chapter contains the terms and conditions of services and the warranty for your phone. Please review them thoroughly.

- SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES
- SAFETY INFORMATION FOR FCC RF EXPOSURE
- SAR INFORMATION
- FDA CONSUMER UPDATE
- PROTECT YOUR WARRANTY
- 12 MONTHS LIMITED WARRANTY

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 86 (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.

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 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 so 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.

1* : American National Standards Institute.
2* : National Council on Radiation protection and measurements.
3* : International Commission on Nonionizing Radiation Protection.

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.

Persons with pacemakers :

- 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.

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.

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

OTHER SAFETY GUIDELINES

AIRCRAFT

FCC and Transport Canada Regulations prohibit using your phone while in the air. Turn your phone OFF 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's engine.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

PRECAUTIONS

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

-  DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
-  DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.
-  DO NOT expose this equipment to rain or spilled beverages.
-  DO NOT use unauthorized accessories.
-  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.
-  DO NOT short-circuit the battery terminals with metal items etc.

SAFETY INFORMATION FOR FCC RF EXPOSURE



WARNING! Read this Information before using

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 operations with the back of the phone kept 2.0 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.0 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of 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 requirements, 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.



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

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.15 W/Kg and when worn on the body, as described in this user guide, is 0.393W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on PP4TX-95C.

SAR INFORMATION

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

FDA CONSUMER UPDATE



U.S. Food and Drug Administration - Center for Devices and Radiological Health
Consumer Update on Wireless Phones

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the standby mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function;
- and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some inter-agency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term "wireless phone" refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones.

126

FDA CONSUMER UPDATE

These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world.

127

FDA CONSUMER UPDATE

The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineers (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

FDA CONSUMER UPDATE

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000. FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

- For additional information, please refer to the following resources:
- FDA web page on wireless phones (<http://www.fda.gov/cdrh/phones/index.html>)
 - Federal Communications Commission (FCC) RF Safety Program (<http://www.fcc.gov/oet/rfsafety>)
 - International Commission on Non-Ionizing Radiation Protection (<http://www.icnirp.de>)
 - World Health Organization (WHO) International EMF Project (<http://www.who.int/emf>)
 - National Radiological Protection Board (UK) (<http://www.nrp.org.uk/>)

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, 800-465-9672

12 MONTHS 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 during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) months 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 antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase.

This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This Warranty does not apply to:

- (a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.
- (c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
- (f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid, to the Company at the address shown below or to the place of purchase for repair or replacement processing.

12 MONTHS LIMITED WARRANTY

In addition, for reference to an authorized Warranty station in your area, you may telephone in the United States (800) 229-1235, and in Canada (800) 465-9672 (in Ontario call 905-712-9299).

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.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR AN SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

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 or provinces 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 or province to province.

IN USA : AUDIOVOX COMMUNICATIONS CORP.
555 Wireless Blvd.
Hauppauge, NY 11788
(800) 229-1235

IN CANADA : AUDIOVOX CANADA LTD.
5155 Spectrum Way, Unit #5
Mississauga, Ontario L4W 5A1
(800) 465-9672

MEMO

MEMO

134

8 10

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>