

CDM-8930



Owner's Manual



AUDIOVOX
COMMUNICATIONS CORP.

AUDIOVOX

CDM-8930

Digital CDMA2000 1X Handheld Portable Telephone

Thank you for choosing the CDM-8930, our latest model developed by top researchers to support the CDMA2000 1X system through Qualcomm-manufactured MSM6100 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 built-in 1.3 megapixel camera lets you take still pictures or record video clips. In addition, the 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 Downloads, wireless fax send/receive, Openwave, UP browser)
- GUI & Animation display compliant with CDMA2000 1X.
- Full graphic swivel 260K Color TFT LCD Display.
- Mobile Camera (SXGA 1.3 Mega Pixel) with built-in flash.
- Navigation key and 25 keys aligned for more convenience.
- Built-in two-way speakerphone.
- Text and picture messaging, call waiting, call transfer and Caller ID available.

Important information

This CDM-8930 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.

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Chapter 1

BEFORE USING YOUR PHONE

Please read and fully understand this manual before using your phone.

This chapter addresses your phone, its keys and display icons, and covers the charging and proper use of the battery.

- Inside the Package
- Handset Description
- Function Keys
- Display Indicators
- Using the Battery
- Charging the Battery
- Battery Information

“Licensed by QUALCOMM Incorporated under one or more of the following Patents :
U.S.Patent No. 4,901,307 U.S.Patent No. 5,056,109 U.S.Patent No. 5,099,204 U.S. Patent No.
5,101,501 U.S. Patent No. 5,103,459 U.S. Patent No. 5,107,225 U.S.Patent No. 5,109,390.”

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.



Handset



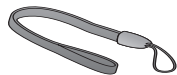
Standard Battery



Travel Charger



User Manual



Hand Strap

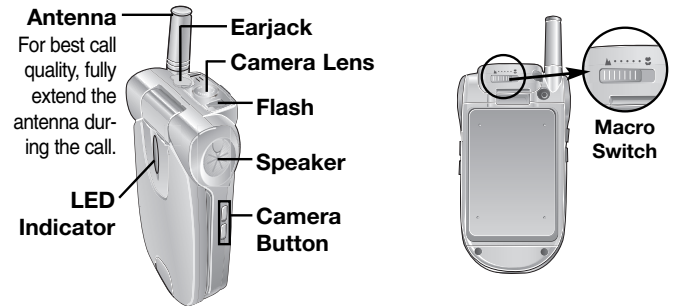


Belt Clip

NOTE: Immediately report any product defects or missing items to the place of purchase.

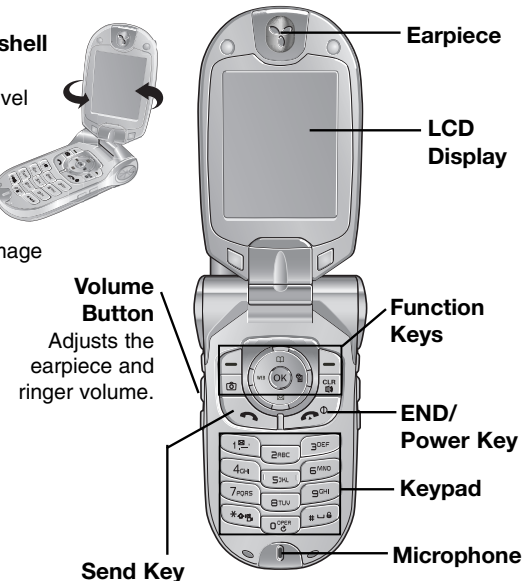
HANDSET DESCRIPTION

This phone is a CDMA2000 1X digital phone with Camera capabilities. The CDM-8930 weighs 3.3 oz. and the dimensions are 3.6" x 1.9" x .9".



Swivel Clamshell Cover

Rotate the swivel counter-clockwise only
Warning : using excessive force may damage the swivel.



FUNCTION KEYS



SEND KEY: Press to make or receive a call. Press and hold to enter VR mode.




END KEY: Press to terminate a call or to return to the initial page. Press and hold to turn the phone on and off.



NAVIGATION KEY:

In Idle Mode -Press up to access the phone book, down to access the messaging menu, right to access schedule, left to access the Mobile Web and press OK to launch BREW.

Inside the menu -Within a menu, use to scroll through menu options. Press  to select an option.



SOFT KEYS: (Left Key) Press to access the main menu or function displayed on the bottom line. (Right Key) Press to access your contacts or to access the function displayed on the bottom line.



LOCK KEY: Press and hold to enter Lock mode.



ETIQUETTE MODE: Press and hold to enter Etiquette (vibrate) Mode.



CLR KEY: Press to clear a digit from the display, to return to the previous page, or to enable speakerphone mode.



CAMERA KEY: Press to access Camera Mode.



SIDE SOFT KEYS: (Right side) Press the top side key to access camera mode. (Left side) Volume control keys.

DISPLAY INDICATORS




Signal Strength

Current signal strength - the more lines, the stronger the signal.



Service Indicator

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



Battery

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



Roaming

Phone is out of home area.



Digital Mode

Phone is operating in digital mode.



1X

Phone is in the 1x service area.



Network

Phone is in the progress of "UP Browser".



Dormant

Indicates your phone is in a dormant state during a data call. Your phone goes to Dormant mode when you have had no activity on a page for some time - your connection is still active and now you can make and receive calls.



Data Only

Receives an async. call as a voice call.



Fax Only

Receives a fax call as a voice call.



GPS Icon

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



Emergency call

Blinks when an emergency call is in progress.

DISPLAY INDICATORS



TTY

Indicates TTY mode is active.
Indicates TTY mode is inactive.



Voice Privacy

Indicates "Voice Privacy" mode.



Secure

Indicates the phone is in "SSL/TLS" mode or is accessing a secure Web site.



Phone Lock

Indicates your phone is locked.



Scratch Pad

Displays when scratchpad is in use during a call.



Auto Answer

Phone has been set to automatically answer an incoming call within 5, 10 or 18 seconds.



Etiquette Mode

All sounds have been muted, including ringer.



Mute

Phone is mute during a call.



Ring Mode

Appears when a ringer is set as a ringer mode.



Ringer



Ringer Off



High & Vib



Silent



Vibrate On



Vib to High



Ear Jack

Indicates that a headset is connected.



Message

Text, Voice, Web Alerts messages.



Text Message



Voice Message



Text+Voice Message



UP Flag



UP Text MSG



UP Voice MSG



UP Text+Voice MSG



Alarm to Schedule

Appears when either an event or an alarm is set.

USING THE BATTERY

INSTALLING THE BATTERY

1. Place the bottom of the battery into the bottom of the handset and push the top of the battery down until it locks into place.



NOTE: Make sure the battery is securely in place to avoid slipping off during a call.

REMOVING THE BATTERY

1. Slide the release latch towards the top of the phone then lift up the battery and remove the battery from the handset.

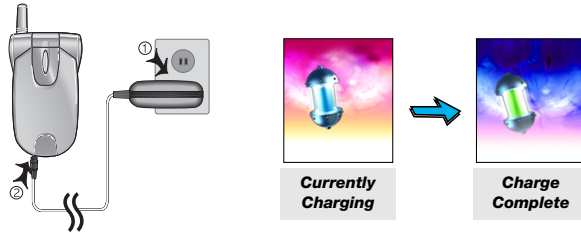


NOTE: If the battery is not correctly placed in the battery compartment, the handset will not turn on and/or the battery may detach during use.

CHARGING THE BATTERY

POWER CONNECTION

1. Plug the charger into a standard outlet.
2. Then connect the round pin of the charger into the bottom of the phone.



NOTE: 1. Fully charge the battery before using – it is not charged when purchased.
2. It is more efficient to charge the battery with the phone turned off.

CHARGING THE BATTERY

BATTERY STANDBY TIMES

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

Battery Type	Digital Standby Time
STD 1100 mAh	Up to 100 hours
EXT 1700 mAh	Up to 300 hours

BATTERY TALK TIMES

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

Battery Type	Digital Talk Time
STD 1100 mAh	Up to 210 min
EXT 1700 mAh	Up to 310 min

NOTE: These times are for a new battery.
Talk and standby times may decrease over time.

BATTERY 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.

Chapter 2


BASIC OPERATION

This chapter addresses the phone's basic functions including menus, volume levels, and call features.

- Using the Phone
- Using the Main Menu
- Menu Summary
- Basic Functions
- Functions During a Call
- Making an Emergency Call


USING THE PHONE

TURNING THE PHONE ON

1. Press and hold , until your “Power On” logo appears and the melody begins to play.

- 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 “Power Off” animation appears.

- NOTE:**
1. 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.
 2. Turn the phone off before removing or replacing the battery.
If the phone is on, unsaved data may be lost.

- NOTE:** You can rotate the LCD counter clockwise 180 degrees. However, if you turn it by force, it can cause serious damage.







When you turn the LCD so the color screen faces up, the screen image will readjust to display right side up.



USING THE MAIN MENU


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 from the idle screen, press  [MENU].
2. Press the Navigation Key up and down to scroll through the menu.
3. To return to the previous page, press  [CLR]. To exit the current menu and return to the idle mode, press .
4. Press  [OK] to enter a function when it is highlighted or its main page is displayed.

● Hotkey

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

- Upward movement: Phone Book
- Downward movement: Messaging
- Rightward movement: Schedule
- Leftward movement: Mobile Web
- Press  : BREW

If you are in a second-level menu, you may also navigate to the next or previous second-level menu by pressing the Navigation Key right or left.

MENU SUMMARY

PHONE BOOK

- ▶ 1 : Find
- 2 : Add New
- 3 : Group
- 4 : Speed Dial
- 5 : Msg. Group
- 6 : My Phone #

RECENT CALLS

- ▶ 1 : All Calls
 - 2 : Missed Calls
 - 3 : Received Calls
 - 4 : Dialed Calls
 - 5 : Call Timers
 - 6 : 1X Packet Counter
- 1 : Last Call
 - 2 : All Calls
 - 3 : Home Calls
 - 4 : Roam Calls
 - 5 : Cumulative Calls
 - 1 : Received
 - 2 : Transmitted
 - 3 : Total

MESSAGING

- ▶ 1 : New Text Msg
 - 2 : New Picture Msg
 - 3 : New Video Msg
 - 4 : Voice Mail
 - 5 : Inbox
 - 6 : Outbox
 - 7 : Web Alerts
 - 8 : Saved
 - 9 : Quick Text
 - 10 : Erase All
 - 11 : Settings
- 1 : All Folders
 - 2 : Inbox
 - 3 : Outbox
 - 4 : Saved
 - 5 : Web Alerts
 - 1 : Auto Save
 - 2 : Auto Erase
 - 3 : Default CB#
 - 4 : Voice CB#
 - 5 : Remind
 - 6 : Signature
 - 7 : Direct View
 - 8 : Entry Mode
 - 9 : Block or Unblock
 - 10 : Push Settings

MENU SUMMARY

BREW

- ▶ 1 : BREW

MOBILE WEB

- ▶ 1 : Connect Web

MEDIA GALLERY

- ▶ 1 : Images
- 2 : Picture
- 3 : Video
- 4 : Animations
- 5 : Tones

SETTINGS

- ▶ 1 : Sounds
 - 2 : Display
 - 3 : Data Svc.
 - 4 : Security
 - 5 : Others
 - 6 : System
- 1 : Ringer Type
 - 2 : Volume
 - 3 : Alerts
 - 4 : Roam Ringer
 - 5 : Tone Length
 - 6 : Etiquette
 - 1 : Menu Style
 - 2 : Graphics
 - 3 : Greeting Message
 - 4 : Contrast
 - 5 : Backlight
 - 1 : Connection
 - 1 : Phone Lock
 - 2 : Restrict
 - 3 : Change Code
 - 4 : Special #'s
 - 5 : Erase All
 - 6 : Reset Phone
 - 1 : Answer Options
 - 2 : Auto Retry
 - 3 : Language
 - 4 : Voice Privacy
 - 5 : TTY Mode
 - 6 : Location
 - 1 : Set Mode
 - 2 : Nam Setting
 - 3 : PRL ID

MENU SUMMARY

7 : Phone Info. 1 : S/W Version
 2 : H/W Version
 3 : BREW Version

UTILITIES



▶ 1 : Voice Tools 1 : Voice Memo
 2 : Voice Dial
 3 : Train Words
 4 : Voice Setting
2 : Schedule 1 : Add New Plan
 2 : View Event List
3 : Alarm 1 : Alarm 1
 2 : Alarm 2
 3 : Alarm 3
4 : Memo Pad 1 : Add Memo
 2 : View Memo
 3 : Settings
5 : Calculator
6 : World Clock
7 : Stop Watch

CAMERA



▶ 1 : Take Picture
2 : Take Video
3 : Picture Gallery
4 : Video Gallery
5 : 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 [CLR].
- To erase the entire number, press and hold [CLR].

2. Press .

The indicator, , appears at the top of 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 74)**
- **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 86 (Voice Service) for details on making calls using VAD.**




3. To end a call, press .



NOTE: Please refer to page 34 for more details about storing a phone number.

BASIC FUNCTIONS

PAUSE FEATURE



You can dial or save a phone number with pauses for use in the automated systems where you need to enter a credit card number, a social security number, and so on. This feature will be convenient when you are linked to ARS (Automatic Response System).

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.

- **Hard Pause:** When connecting to the ARS, it enables to go to the next number, by either pressing  or .
- **Time Pause:** When connecting to the ARS, it allows to go to the next number after 3 seconds.





SPEAKERPHONE


The speakerphone feature lets you hear audio through the speaker and talk without holding the phone.


1. To activate the speakerphone when the phone is in idle mode, answering mode, and calling mode press and hold . The icon, , will appear at the top of the display.
2. The phone returns to normal (Speakerphone off) after ending or call or when the phone is turned off and back on.

BASIC FUNCTIONS

ANSWERING A CALL

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




● **In the Settings menu, 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 73 for more information.

2. To end the call, press .

NOTE: In Auto Answer Mode, a call is automatically answered after a preset time of ring tones. See page 74 for more details.

3 WAY CALL FUNCTION

With Three-Way Calling, you can talk to two people at the same time. Contact your service provider for details about 3 Way Calling and airtime rates.



1. Enter a number you wish to call and press .
2. Once you have established the connection, enter the second number you wish to call and press .
3. When you're connected to the second party, press  again to begin your three-way call.

NOTE: If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

BASIC FUNCTIONS

CALL WAITING FUNCTION

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

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

This feature is system dependent. Please contact your service provider for details.


ADJUSTING VOLUME

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

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

- **Ringer:** Controls the ringer volume.
- **Key Tone:** Controls the keypad tone volume.
- **Voice Call:** Controls the earpiece volume.
- **Speakerphone:** Controls the speaker volume in Speakerphone mode.

To increase the volume, press the Navigation Key to the right. To lower the volume, press it to the left.


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

NOTE: Press the volume keys on the side of the phone or the Navigation Key (left or right) to adjust the volume of the 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 .

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  or  [UNLOCK] then input the password.


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

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.

NOTE: The caller ID is stored in the call history.

FUNCTIONS DURING A CALL

To display menu options during a call, press  [MENU]. These menu items are available while you are on a call.

MESSAGING



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

1. Press  [MENU] .

MUTE (UNMUTE)

Mutes the microphone while you are on a call so the other party cannot hear you if you speak.

1. Press  [MENU] .

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

SCRATCHPAD

Allows you to enter a phone number during a call so it can be dialed later. The other party cannot hear the key presses.

1. Press  [MENU] .

- **To deactivate it, press**  [MENU] .

FUNCTIONS DURING A CALL

SEND MY PHONE

Automatically transmits your phone number to a pager during a call without manually entering the number.

1. To transmit your phone number during a call, press  [MENU] .

MY PHONE

Enables you to see your phone number while on a call.

1. Press  [MENU] .

VOICE PRIVACY

Enhances voice privacy during a call.




1. Press  [MENU] .
2. Select “Enhance” or “Standard” and press  [OK] to save it.

NOTE: *Enhanced voice privacy is a network dependent feature. Standard voice privacy is the default setting.*

FUNCTIONS DURING A CALL

LOCATION

Enables the network to locate your current location through Global Positioning System (GPS).

1. Press  [MENU] .
2. Select “911 Only” or “Location On” and press  [OK] to save it.

- **911 Only:** *Your location will be hidden from network & applications except 911.*
- **Location On:** *Your location is now available to the network.*

PHONE INFO.

Enables you to view hardware version or software version while on a call.



1. Press  [MENU] .

MAKING AN EMERGENCY CALL



This 911 feature puts your 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 maintains the Emergency Mode for 5 minutes.
4. To end a emergency mode, press .

911 USING ANY AVAILABLE SYSTEM

1. Enter “911” and press .
2. The call connects.
3. The phone maintains the Emergency Mode for 5 minutes.
4. To end a emergency mode, press .

- **The phone continuously attempts to receive service from any available system.**

NOTE: *The 911 call is not recorded in the recent calls list.*

Chapter 3

MEMORY FUNCTION

This chapter addresses numerous functions including saving phone numbers to the internal phone book, entering text and accessing call logs.

- Storing Phone Numbers
- Text Input Methods
- Speed Dialing
- Phone Book
- Recent Calls

STORING PHONE NUMBERS

The phone book stores up to 300 entries.

1. Enter phone number and press [SAVE].
2. Choose “New Contact” or “Existing Contact”. Press [OK] to select.
3. If “New Contact” is selected, the phone number will appear above a list of icons. The name of the icon is displayed below the list. Press the Navigation Key right or left to choose the type of number you’re adding, as indicated by the icon. Press [OK] to select. If “Existing Contact” is selected, your phone book list is displayed. Choose the entry to add the phone number to, then press [OK]. You will then see the phone number listed about a list of icons and the name of the currently selected icon below the list. Press [OK] to select.
4. Enter a name and press [OK].
Follow instructions for entering text on page 35.
To change the input mode, press [Abc].
5. Press the Navigation Key down to scroll through more options (group, other numbers, ringer, etc.)

Name: Enter name.
Mobile: Enter mobile phone number.
Home: Enter home phone number.
Office: Enter office phone number.
Pager: Enter pager number.
Fax: Enter fax number.
E-Mail: Enter E-Mail address.
Wireless Addr.: Enter Wireless address.
Group: Personal, Business, Etc.
Ringer: Select Ringer Type.
Msg.Ringer: Select Msg. Ringer Type.
Graphic: Select an image from your Picture Gallery.
Memo: Enter memo.
Set Secret: Lock, Unlock.

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

TEXT INPUT METHODS

ENTERING CHARACTERS

For convenient entry of memory location names and text messages, your phone offers several text input methods:

Abc mode: Enters words by repeatedly tapping the corresponding key until the desired character is displayed.

T9Word: Tap each corresponding key only once and the phone predicts the word you are entering.

Numeric mode: Only enters numbers.

Symbol mode: Enters symbols like @, #, %.

ALPHA MODE [ABC]

Use the digit keys to enter letters, numbers and characters. Enter letters using the keypad as follows:


Key Pad	1 Repetition	2 Repetitions	3 Repetitions	4 Repetitions	5 Repetitions
1	1	.	@	-	'
2ABC	A	B	C	2	...
3DEF	D	E	F	3	...
4GHI	G	H	I	4	...
5JKL	J	K	L	5	...
6MNO	M	N	O	6	...
7PQRS	P	Q	R	S	7
8TUV	T	U	V	8	...
9WXYZ	W	X	Y	Z	9







To change the input mode, press [Abc].

- To enter a space, press . The cursor will automatically move to the next column.
- Repeat until letters are entered. (Name or Group is a 16-letter limit, E-mail or wireless is a 48-letter limit).
- To delete one digit, press [CLR].
To delete the entire entry, press and hold [CLR].
- To change from lowercase to uppercase, press located on the side of the phone.



TEXT INPUT METHODS


T9™ PREDICTIVE TEXT MODE [T9™ABC]

To choose T9™ mode from the Editor screen press  [Abc], then choose [T9Word]. This mode predicts the words you are entering using a built-in dictionary. With T9™ predictive text input, you press each key only once for each letter. The chart below outlines how to use T9™ text input.

KEY	FUNCTION
 Mode	Press to change mode. [T9Word][Abc][Num][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.


TEXT INPUT METHODS

- Press each key once for each letter of the word you are writing.
 - To write **John** with the English dictionary selected:
 - Press 5 once - (for - K)
 - Press 6 once - (for - Km)
 - Press 4 once - (for - Log)
 - Press 6 once - (for - John)
- Press  until the correct word is displayed.
- To select the correct word, press  [OK]. If the T9 mode does not recognize or suggest the word you want to enter, re-enter the name in the Alpha ABC mode.

NOTE: Press  to accept the displayed word and to add a space after the word.

TEXT INPUT METHODS


NUMERIC MODE [NUM]

Numeric mode allows you to add a number to your entry/message. To select numeric mode from the Editor screen, press  [Abc], then select [NUM].

SYMBOL MODE [SYM]

Symbol mode allows you to add various symbols to your entry. Whether you are adding an e-mail address to your phone book or sending an expressive message, symbols make these entries easier.

To select symbol mode from the Editor screen, press

 [MODE] then select [Symbols].

The symbols will appear on the display.


Select symbol you want to enter with the navigation key.

SPEED DIALING


SPEED DIAL

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] then  [OK] to delete.**

3. The phone book list is displayed alphabetically. Press the Navigation Key up or down to select the name you want to set. The contact's phone number is displayed at the bottom of the screen. If more than one number exists for that entry, press the Navigation Key left or right to choose the number for this speed dial location. Press  [OK].

4. "Speed dial # XX Edited!" will be displayed.

- **A phone number that is set as secret will ask for a password in order to assign it to a speed dial location.**
- **If a phone number is set as secret, you must enter the password to call the number.**
- **If no phone number is stored in the location entered, "There is no number" will appear on the screen.**
- **"1" key is used for One-Touch voice mail feature.**
- **Voice mail is cannot be change or edit. Please refer to page 125 for more details on "Voice CB#".**

PHONE BOOK

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

FIND

Retrieves an entry by name and calls the number by simply pressing . From the standby screen, you can press [CONTACTS] as well.

You can review all the entries stored in your phone book list or find an entry quickly by using enter a name or its character string.

1. Press [MENU] . The list of names in your phone book is displayed alphabetically.
2. Enter a name or character string or scroll through the list by pressing the Navigation Key up or down. Please refer to page 35 for instructions on entering letters, numbers and symbols.
3. The list beginning with the letter you entered is displayed. Highlight an entry. Press [OK] to edit the entry. Press [MENU] to view options. If the contact has a mobile phone number your options will be 1. Send Text Msg, 2. Send Picture Msg, 3. Send Video Msg, 4. Erase or 5. Prefix. If no mobile number is saved for the contact, your options will be 1. Erase, 2. Prefix. If only an email or web address is saved for the contact, your options will be 1. Send Text Msg, 2. Send Picture Msg, 3. Send Video Msg, 4. Erase.

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

● **If you save a only email or wireless address "1.send text msg", "2.send picture msg", "3.send video msg", "4.erase" menus appear.**

4. To call the selected number, press .

PHONE BOOK

ADD NEW

Adds a new entry to the phone book. Please refer to page 34 for alternate way to add an entry to the phone book.

1. To add a new entry to the phone book, press [MENU] .
2. The first field highlighted is Name. Enter the name for the entry, then press [OK].

● **PHONE BOOK FIELDS:** Name/Mobile/Home/Office/Pager/
Fax/ E-Mail/Wireless Addr./Group/Ringer/Msg.Ringer/Graphic/
Memo/Set Secret.

3. Press the Navigation Key down to enter all the other information (group, phone number, etc.).
4. When all information for the entry is entered, press [SAVE] to save the entry.

NOTE: *Enter one number among Mobile, Home, Office, Pager, Fax, E-mail, and Wireless Address to save it. If you press the Save without inputting any number, there comes the "Insufficient Information" screen and you may not save it.*

PHONE BOOK

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] [1st] [3DEF].
A maximum of seven groups is allowed.
2. Press [MENU] then select "Add Group".
3. Input a new group name.
4. Press [OK] [OK] to save it.

CHANGE GROUP NAME

1. Press [MENU] [1st] [3DEF].
Select an existing group name.

NOTE: *Default group name (All, Personal, Business, Etc.) cannot be changed.*

2. Press [MENU] then select "Rename".
3. Input a new group name.
4. Press [OK] [OK] to save it.

NOTE: *There is a 16-letter limit.*

PHONE BOOK

ERASE GROUP

1. Press [MENU] [1st] [3DEF].
Select an existing group name.
2. Press [ERASE] to delete it.
"Erase this group?" will be displayed.
3. Press [OK] [OK] again to confirm it.

SPEED DIAL

Calls can be placed to numbers stored in speed dial by pressing & holding the speed dial location number on the keypad. To enable assign a phone number 2~20.

1. Press [MENU] [1st] [4CH].
2. To assign a phone number to a location, select the location and press [SET] [SET].
● If a phone number is already assigned to the location, press [ERASE] and [OK] to delete.
3. The phone book list will be displayed alphabetically. Select a name and press [OK] [OK].
4. "Speed Dial # XX Edited!" will be displayed.

PHONE BOOK

MSG. GROUP

Allows the user to five group, each group in a directory can have up to 10 phone numbers. The user can add, change, and delete Msg. Group.

ADD NEW MSG. GROUP

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

ASSIGN PHONE NUMBER TO MSG. GROUP

1. To assign phone numbers to a Msg Group, select the Msg Group and press [OK].
2. Ten “unassigned” locations appear. Select a location and press [SET]. Your phone book entries will be displayed in alphabetical order.
3. Select the entry for the Msg Group location and press [OK]. “Saved!” will be displayed.
Repeat for each location for the Msg Group.

PHONE BOOK

CHANGE MSG. GROUP NAME

1. Press [MENU] .
Select an existing group name.
2. Press [MENU] then select “2. Rename”.
3. Input a new group name.
4. Press [OK] to save it.








NOTE: *There is a 16-letter limit.*

SEND TEXT MSG.








1. Press [MENU] .
Select an existing group name.
2. Press [MENU] then select “3. Send Text Msg.”.
3. Scroll to Message field and enter your message.
Press [OK]. Then scroll to the Default CB#, Priority, and Insert fields. Set each as desired.
4. Press [MENU] then select “1. Send” or “2. Save Msg.”. Press [OK].
Please refer to page 111 for more details on “New Text Message”.

PHONE BOOK

SEND PICTURE MSG.






1. Press  [MENU]   .
Select an existing group name.
2. Press  [MENU] then select “4. Send Picture Msg”.
3. Scroll to Message field and enter your message.
Press  [OK]. Then scroll to the Subject, CC, BCC, Priority, Expiration, and Insert fields. Set each as desired.
4. Press  [MENU] then select “1. Send”, “2. Preview” or “3. Save Msg.”. Press  [OK].
Please refer to page 113 for more details on “New Picture Message”.

SEND VIDEO MSG

1. Press  [MENU]   .
Select an existing group name.
2. Press  [MENU] then select “5. Send Video Msg”.
3. Scroll to Message field and enter your message.
Press  [OK]. Then scroll to the Subject, CC, BCC, Priority, Expiration, and Insert fields. Set each as desired.
4. Press  [MENU] then select “1. Send”, “2. Preview” or “3. Save Msg.”. Press  [OK].
Please refer to page 115 for more details on “New Video Message”.

PHONE BOOK

ERASE MSG. GROUP

1. Press  [MENU]   .
Select the group name to be deleted.
2. Press  [ERASE] to delete it.
“Erase this message group?” will be displayed.
3. Press  [OK]. “This message group erased!” will be displayed.

PHONE BOOK

MY PHONE

To display your phone number and service provider:

1. Press [MENU] .
2. Your phone number and service provider's name are displayed. To return to the previous page, press [OK].

RECENT CALLS

To access Recent Calls from the idle mode, press [MENU] .

ALL CALLS

Displays information about the 60 most recent numbers dialed, missed and received. Places a call to a selected number by simply pressing .

1. To see a list of the 60 most recent 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.

NOTE: From the idle screen, press to access the All Calls list of phone numbers.

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

NOTE:

- Call details include date, time, and phone number.
- When the phone # is in contact and the entry is set in secret, the name is not displayed.


3. Press [MENU], [SAVE] to save the number or press [ERASE] to delete it.





- **Save:** To store the phone number in your phone book.
- **Prefix:** The user may add the desired number before the number. It is useful when you add "1" during long distance call. You may save it in the phone book after Prefix.
- **Send Text Msg:** To send a text message to the phone number. Only for mobile phone numbers.
- **Send Picture Msg:** To send a photo message to the phone number. Only for mobile phone numbers.
- **Send Video Msg:** To send a video message to the phone number. Only for mobile phone numbers.
- **Erase All:** To erase all recent calls list.

NOTE: After 60 calls, the oldest received, dialed or missed calls, the oldest call will automatically be erased from the history.

RECENT CALLS

MISSED CALLS

Displays information of 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].

NOTE: Call details include date, time and phone number.


3. Press  [MENU],  [SAVE] to save the number or press  [ERASE] to delete it.





- **Save:** To store the phone number in your phone book.
- **Prefix:** The user may add the desired number before the number. It is useful when you add "1" during long distance call. You may save it in the phone book after Prefix.
- **Send Text Msg:** To send a text message to the phone number. Only for mobile phone numbers.
- **Send Picture Msg:** To send a photo message to the phone number. Only for mobile phone numbers.
- **Send Video Msg:** To send a video message to the phone number. Only for mobile phone numbers.
- **Erase All:** To erase all missed calls list.

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

RECENT CALLS

RECEIVED CALLS

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

1. To see a list of the 20 most recently received 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 received call details, press  [OK].

NOTE: Call details include date, time and phone number.


3. Press  [MENU],  [SAVE] to save the number or press  [ERASE] to delete it.





- **Save:** To store the phone number in your phone book.
- **Prefix:** The user may add the desired number before the number. It is useful when you add "1" during long distance call. You may save it in the phone book after Prefix.
- **Send Text Msg:** To send a text message to the phone number. Only for mobile phone numbers.
- **Send Picture Msg:** To send a photo message to the phone number. Only for mobile phone numbers.
- **Send Video Msg:** To send a video message to the phone number. Only for mobile phone numbers.
- **Erase All:** To erase all received calls list.

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




RECENT CALLS

DIALED CALLS

Displays information of the 20 most recently dialed calls. Place a call to a received number by simply pressing .

1. To see a list of the 20 most recently dialed 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 dialed call details, press  [OK].

NOTE: Call details include date, time and phone number.

3. Press  [MENU],  [SAVE] to save the number or press  [ERASE] to delete it.

- **Save:** To store the phone number in your phone book.
- **Prefix:** The user may add the desired number before the number. It is useful when you add "1" during long distance call. You may save it in the phone book after Prefix.
- **Send Text Msg:** To send a text message to the phone number. Only for mobile phone numbers.
- **Send Picture Msg:** To send a photo message to the phone number. Only for mobile phone numbers.
- **Send Video Msg:** To send a video message to the phone number. Only for mobile phone numbers.
- **Erase All:** To erase all dialed calls list.

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






RECENT CALLS

CALL TIMERS

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






LAST CALL

Displays usage time of last call.

1. Press  [MENU]   . "Not Intended for Billing Purposes" is displayed.
2. To return to the previous page, press  [OK].

ALL CALLS

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

1. Press  [MENU]   . "Not Intended for Billing Purposes" is displayed.
2. The time of the following items is displayed:
 - **Voice Calls, Data Calls**
3. To return to the previous page, press  [OK].

NOTE: You cannot reset this timer.

NOTE: You may also navigate to the next or previous second-level menu (Last Calls, All Calls, Home Calls, Roam Calls, Cumulative Calls) by pressing the Navigation Key right or left.

RECENT CALLS

HOME CALLS

Displays usage time of all calls made within Home area.

1. Press [MENU] . “Not Intended for Billing Purposes” is displayed.
2. The time of the following items is displayed:

- **Voice Calls, Data Calls**

3. To reset the timer, press [RESET].
To return to the previous page, press [OK].

ROAM CALLS

Displays usage time of roaming calls.

1. Press [MENU] . “Not Intended for Billing Purposes” is displayed.
2. The time of the following items is displayed:

- **Voice Calls, Data Calls**

3. To reset the timer, press [RESET].
To return to the previous page, press [OK].

NOTE: You may also navigate to the next or previous second-level menu (Last Calls, All Calls, Home Calls, Roam Calls, Cumulative Calls) by pressing the Navigation Key right or left.

RECENT CALLS

CUMULATIVE CALLS

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

1. Press [MENU] . “Not Intended for Billing Purposes” is displayed.
2. The time of the following items is displayed:

- **Voice Calls, Data Calls**

3. To reset the timer, press [RESET].
To return to the previous page, press [OK].

NOTE: You may also navigate to the next or previous second-level menu (Last Calls, All Calls, Home Calls, Roam Calls, Cumulative Calls) by pressing the Navigation Key right or left.

RECENT CALLS

1X PACKET COUNTER

Checks the log of all kilobyte data transmissions.

RECEIVED

To show the received kilobyte usage on a user definable interval.

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

TRANSMITTED

To show the transmitted kilobyte usage on a user definable interval.

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

TOTAL

To show the received or transmitted kilobyte usage on a user definable interval.

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

Chapter 4

SETTINGS

This chapter addresses customizing your phone by adjusting backlighting, volume, ring tones and other user-friendly features.

- Settings
- Media Gallery

SETTINGS

SOUNDS

Sets Ringer Type, Volume, Alerts, Roam Ringer, Tone Type, Tone Length and Etiquette Mode.

RINGER TYPE

To select a ringer type for incoming calls:

RINGER

1. Press [MENU] .
2. Select one of the pre-installed 20 music bells and 5 ring tones. Press the Navigation Key left or right to view the music bells and ring tones lists.
3. Press [OK] to select.

MESSAGES

To select a ringer type for receiving messages:

1. Press [MENU] .
2. Select a tone (1-5).
3. Press [OK] to select.

VOICE MAIL

To select a ringer type for receiving voice mail:

1. Press [MENU] .
2. Select a tone (1-5).
3. Press [OK] to select.

SETTINGS

VOLUME

Controls the Ringer, Key Tone, Voice Call and Speakerphone volume and alerts you to incoming calls in a variety of modes.

RINGER

Controls the ringer volume and alerts you to incoming calls in the following modes.

1. Press [MENU] .
2. Select one of the following options:

- **Silent: Mutes the ringer; press [MIN].**
- **Ringer Off**
- **Vibrate On**
- **Ringer Mode: Volume Levels 1-5.**
- **High & Vib: Ringer sounds and phone vibrates.**
- **Vib to High: The ringer sounds after the phone vibrates; press [MAX].**

3. Press [OK] to select.

KEY TONE

To adjust keypad tone:

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

SETTINGS

VOICE CALL

To adjust earpiece volume:

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

SPEAKERPHONE

To adjust speaker volume:

1. Press [MENU] .
2. Adjust the speakerphone phone volume.
● **Level1-5 (Min- , Max-).**
3. To save, press [OK].

ALERTS

Allows you to set an alert that sounds when the following handset changes occur.

MINUTE

Sounds an alert every minute of a phone call.

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

SETTINGS

ROAM

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

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

CONNECT

Notifies you that a call has been successfully placed.

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

FADE

To notify you when your phone loses a signal during a call.

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

ON/OFF TONES

Sounds an alert power on/off tone.

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

FLIP SOUND

Sounds an alert flip open/close sound.

1. Press [MENU] .
2. Select “Off” or “On” then press [OK] to save it.

SETTINGS

ROAM RINGER

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

1. Press [MENU] .
2. Select “Normal” or “Distinctive” then press [OK] to save it.

- **Normal:** Sounds the same ringer type as used in Home area.
- **Distinctive:** Sounds a different ringer type.

STONE LENGTH

To adjust key tone length:

1. Press [MENU] .
2. Select “Normal” or “Long” then press [OK] to save it.

ETIQUETTE

To activate Etiquette mode so all phone sounds are muted:

1. Press [MENU] .
 2. Select “On” or “Off”.
- **On:** Etiquette Mode on.
 - **Off:** Etiquette Mode off.
3. To save, press [OK].

Shortcut: Press and hold to activate/deactivate this feature.

SETTINGS

DISPLAY

This feature allows you to customize and personalize your phone display.

MENU STYLE

To select an display menu style:

1. Press [MENU] .
2. Select “Graphic”, “Grid” or “List” and press [OK] to save it.



Graphic



Grid



List

GRAPHICS

To select an LCD display:

WALLPAPER

1. Press [MENU] .
2. Select “Tree”, “Digital Clock 1,2”, “Analog Clock 1,2”, “Download image”, “Picture #”, “Download Picture”, “Received Picture”.
3. To save it, press [OK].



SETTINGS

RECEIVED

1. Press [MENU] .
2. Select “Default”, “Picture #”, or “Download Image”.
3. To save it, press [OK].



NOTE: *Pic # and Download Image options will only be available when you have saved pictures from a picture message, Camera mode or downloaded through the BREW application.*

SCREEN SAVER

1. Press [MENU] .
2. Select “Time Setting” to set the amount of time the screen saver is displayed (Off, 5 Secs, 10 Secs, 20 Secs, 30 Secs).
3. Select a “Screen Saver” from the list. (Received image/Download image/Picture #).
4. Press [OK] to save it.

SETTINGS

GREETING MESSAGE

To input a personal greeting:

1. Press [MENU] .
2. The message field will be highlighted. Press the Navigation Key left or right to choose between On and Off. Press the Navigation Key down to move to the next field, font. Press the Navigation Key left or right to choose a font color. Press the Navigation Key down to move to the next field, Bg. Press the Navigation Key left or right to choose a Bg color. Press the Navigation Key down for the entry message field. Enter your greeting. Press [OK].

- **Message: On/Off.**
- **Font: White, Blue, Dark Blue, Magenta, Gray, Black.**
- **Bg: Transparent, White, Blue, Yellow, Gray, Black.**
- **Entry Message: Enter message (Default-Cellularone).**

3. To save, press [SAVE].

NOTE: *If ERI banner setting is “ON”, greeting message is not display on LCD.*

CONTRAST

To adjust the display contrast:

1. Press [MENU] .
2. Adjust the LCD contrast.
 - **Level 1-5**
3. To save, press [OK].

SETTINGS


BACKLIGHT

Backlights the display and key pad for easy viewing in dark places.

1. Press  [MENU]   .

2. Select “LCD” or “Keypad” and select one of the following options.

- **LCD: 5 Secs/15 Secs/30 Secs/60 Secs/Always On.**
- **Keypad: 5 Secs/15 Secs/30 Secs/60 Secs/Always On/Always Off.**

3. To save, press  [OK].

DATA SVC.

Allows you to transfer data when your phone is connected to a PC.


CONNECTION

Select a connection mode based on the handset usage.

1. Press  [MENU]   .

2. Select one of the following connection modes:

- **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. To save, press  [OK].

SETTINGS

SECURITY


Prevents others from using the phone without permission and allows access to security features only after inputting a password.

PHONE LOCK


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

1. Press  [MENU]   and enter “Password”.

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

2. Press  and select “Lock Now”, “Lock on Power Up” or “Unlock”.

- **Lock Now: Lock the phone now.**
- **Lock on Power Up: Phone is not locked until your power off the phone, then power it back on.**
- **Unlock: Do not lock the phone.**

3. To save, press  [OK].

NOTE: Select “Lock Now” then return to idle mode.

SETTINGS

RESTRICT

When you attempt to make a restricted call, “This phone is restricted” appears on the screen.

DIALED

Blocks all dialed calls – except emergency or special number calls – but allows incoming calls to be answered.

1. Press [MENU] and enter “Password”.
2. Press and select “Allow” or “Restrict”.

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

3. To save, press [OK].

RECENT CALLS

Blocks access to Recent Call List.

1. Press [MENU] and enter “Password”.
2. Press and select “Allow” or “Restrict”.

- **Allow: Allows access to the recent calls menu.**
- **Restrict: Restricts access to the recent calls menu.**

3. To save, press [OK].

SETTINGS

CAMERA

Restricts access to camera mode.

1. Press [MENU] and enter “Password”.
2. Press and select “Allow” or “Restrict”.

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

3. To save, press [OK].

DATA CALL

Restricts data calls from being placed.

1. Press [MENU] and enter “Password”.
2. Press and select “Allow” or “Restrict”.

- **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”.

- **Allow: Allows calls to 900-dial services.**
- **Restrict: Restricts calls to 900-dial services.**

3. To save, press [OK].

SETTINGS

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”.

- **Allow: Allows a long distance call.**
- **Restrict: Restricts a long distance call.**

3. To save, press [OK].

CHANGE CODE

Changes your 4-digits password.

1. Press [MENU] and enter “Password”.

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

2. Press . “Please Enter your code” is displayed with the current 4-digit password.
3. Enter a new password and press [OK].
4. Enter the new password again and press [OK].

SETTINGS

SPECIAL #'S

Stores 3 phone numbers that can be called even in the lock mode. You can make and receive calls from special numbers even when your phone is locked or restrict.

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 (1-3). Press .
3. Input a phone number, then press [OK] again to save.

NOTE: You can delete a special number by selecting it, pressing [ERASE], then [OK].

ERASE ALL

Clears all phonebook, downloads, and picture or video gallery entries.

1. Press [MENU] and enter “Password”.

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

2. Press .
3. Select “Phonebook”, “Downloads”, “Picture Gallery”, “Video Gallery” with the [CHECK] and press [OK] to erase all the items in those categories.

NOTE: As the data cannot be retrieved, the warning shall be marked.

SETTINGS

RESET PHONE

Resets phone to default settings.

1. Press [MENU] and enter “Password”.

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

2. Press .

3. Select “Yes” or “No”, then press [OK].

- **When you select “yes” you will see “Reset Phone! this will reset to default settings.” appear on the display. Press [OK] to begin Reset process.**

NOTE: *As the data cannot be retrieved, the warning shall be marked.*

SETTINGS

OTHERS

ANSWER OPTIONS

CALL ANSWER

To select an answer mode:

1. Press [MENU] .

2. Select “Any Key” or “Send Key”.

- **Any Key: Press any key to answer an incoming call except , , and .**
- **Send Key: Press to answer an incoming call. No other key will answer a call.**

3. To save, press [OK].

ACTIVE FLIP

Sets the Active Flip mode as follows:

1. Press [MENU] .

2. Select “Off” or “On”.






3. To save, press [OK].

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

SETTINGS


AUTO ANSWER

Automatically answers a call after a preset number of rings. An ideal setting for the hands-free car kit.

1. Press  [MENU]    .
2. Select “Handset”, “Headset”, or “Hands Free Kit”, then select one of the following options:






● **Off/5 Secs/10 Secs/18 Secs.**

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

3. To save, press  [OK].

AUTO RETRY






Automatically redial a call up to 5 times after a set time interval. Available where signal is weak or where phone hardly comes on.

1. Press  [MENU]   .
2. Under Retry Time, select a time interval option (Off, 3 Secs, 5 Secs, 7 Secs, 10 Secs). The Repeat Category will appear when a time frame is chosen.
3. Under Repeat, select a time interval option (1 Time, 3 Times, 5 Times).
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”.
3. To save, press  [OK].

VOICE PRIVACY

Enhances voice privacy and avoids tapping during a call.

1. Press  [MENU]   .
2. Select “Standard” or “Enhanced”.
3. To save, press  [OK].

● **“Enhanced”:** *Makes it more difficult to wire tap.*

SETTINGS

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**

3. To save, press [OK].

LOCATION

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

1. Press [MENU] .

2. Select “911 Only” or “Location On”.

- **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].

SETTINGS

SYSTEM

SET MODE

Selects the Preferred System.

1. Press [MENU] .

2. Select one of the following options:
Automatic B, Automatic A, Home only.

- **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: Only within your home area or home affiliated area.**

3. To save, press [OK].

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 “No” or “Yes”.

3. To save, press [OK].

SETTINGS

CHANGE NAM

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

1. Press  [MENU]    .
2. Select “NAM1” or “NAM2”.
3. To save, press  [OK].

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. To return to the previous page, press  [OK].

H/W VERSION

1. Press  [MENU]   .
2. The hardware version appears.
3. To return to the previous page, press  [OK].

BREW VERSION

1. Press  [MENU]   .
2. The “BREW” version appears.
3. To return to the previous page, press  [OK].

MEDIA GALLERY

IMAGES

This menu shows the list of downloaded still images.

1. Press [MENU] .

● Press [MENU] to select **1.Edit Title, 2.Assign, 3.Erase, 4.Erase All, 5.Information.**

2. Scroll through the downloaded downloaded images to display the image you want to send and press [SEND].

3. To send “MMS” message, press [SEND].
To save “MMS” message, press [MENU]
then select “Save Msg” and press [OK].

PICTURE

This menu shows the list of photos taken with the phone's camera.

1. Press [MENU] .

● Press [MENU] to select **1.Edit Title, 2.Assign, 3.Erase, 4.Erase All, 5.Information.**

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

3. To send “MMS” message, press [SEND].
To save “MMS” message, press [MENU]
then select “Save Msg” and press [OK].
Please refer to page 113 for more details on
“New Picture Message”.

MEDIA GALLERY

VIDEO

This menu shows the list of videos taken with the phone's camera.

1. Press [MENU] .

● Press [MENU] to select **1.Edit Title, 2.Erase, 3.Erase All, 4.Information.**

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

3. To send “MMS” message, press [SEND].
To save “MMS” message, press [MENU]
then select “Save Msg” and press [OK].
Please refer to page 115 for more details on
“New Video Message”.

ANIMATIONS

This menu shows the list of downloaded animation images.

1. Press [MENU] .

● Press [MENU] to select **1.Edit Title, 2.Erase, 3.Erase All, 4.Information.**

2. Scroll through the downloaded animations to display the animated image you want to send and press [SEND].

3. To send “MMS” message, press [SEND].
To save “MMS” message, press [MENU]
then select “Save Msg” and press [OK].

MEDIA GALLERY




TONES

This menu shows the list of downloaded ringtones or saved voice memo.

1. Press  [MENU]  .

- **Ringtones** : Press  [MENU] to select **1.Edit Title, 2.Erase, 3.Erase All, 4.Information.**
- **Voice Memo** : Press  [MENU] to select **1.Information.**

2. Scroll through the downloaded ringtones you want to send then press  [SEND].

3. To send “MMS” message, press  [SEND].
To save “MMS” message, press  [MENU]
then select “Save Msg” and press  [OK].

Chapter 5


SUPPLEMENTARY FUNCTIONS

This chapter addresses supplementary functions including the Schedule, Calculator, Clock, Voice Tools, Alarm, Memo Pad, Camera and Stopwatch features.


- Voice Tools
- Schedule
- Alarm
- Memo Pad
- Calculator
- World Clock
- Stop Watch
- Camera
- Picture Gallery
- Video Gallery
- Help

VOICE TOOLS

Voice Recognition (VR) enables you to place calls to numbers in your contacts list with recorded voice tags using your voice and to record voice memos.

1. Press and hold  until your phone turns to Voice Recognition mode.
2. “Please say the name after the prompt tone” will be displayed and you will hear “Name please”.






















VOICE RECOGNITION MODE

1. Press and hold  until your phone turns to Voice Recognition mode.
2. Say a name or tag that is saved to one of your contacts.
The number and name will appear on the display and you will hear “Calling (name)”.

VOICE TOOLS

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/RESUME].
1.3. Press  [MENU] after recording a voice memo to “Rerecord” or “Review”.
1.4. Press  [SAVE] and input a “Voice Memo” title, then press  [OK] or press  [SEND] to access the “New Picture Message” see “New Picture Message” on page 113.
2. To play voice memo, press .
Select the message you want to play then press  [PLAY] or press  [MENU] to 1. Edit Title 2. Send, press  [ERASE].
3. To play speaker mode, press .
Select the message you want to play then press  [PLAY] or press  [MENU] to 1. Edit Title 2. Send, press  [ERASE].
4. To erase all voice memos, press .
“Erase all voice memos?” will be displayed.
press  [OK] to erase all voice memos.

VOICE TOOLS

VOICE DIAL

Voice Dial allows you to record a voice tag for a contact number so you can call that person by simply saying the voice tag.

1. Press [MENU] to start Tools menu.
2. To enter a voice dial, press .
3. 1.1. To record a voice dial, press .
The phone book list will be displayed alphabetically. Select a name and press [OK]. Instructions will be displayed and you will hear “Name Please”.
 - 1.2. Say the name for the voice tag and repeat the name when prompted. You will hear “Added”.
2. To play voice dial, press .
Select the message you want to play then press [PLAY] or press [ERASE].
3. To play speaker mode, press .
Select the message you want to play then press [PLAY] or press [ERASE].
4. To erase all voice dials, press .
“Removing all voice tags Proceed?” will be displayed.
Press [OK] to erase all voice dials.

VOICE TOOLS

TRAIN WORDS

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

YES

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

1. Press [MENU] .
2. “Please listen closely to hear instructions” will be displayed and you will hear “Now training control words. Please say the word yes”.
3. Say “Yes”. You will hear “Again”. Say “Yes” again. You will hear “Training word successful”.

NO





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

1. Press [MENU] .
2. “Please listen closely to hear instructions” will be displayed and you will hear “Now training control words. Please say the word no”.
3. Say “No”. You will hear “Again”. Say “No” again. You will hear “Training word successful”.

VOICE TOOLS







WAKE-UP

Use to train or untrain the Voice Recognition with the control words, “Wake-Up”.

1. Press  [MENU]   .
2. “Please listen closely to hear instructions” will be displayed and you will hear “Now training control words. Please say the word wake-up”.
3. Say “Wake-up”. You will hear “Again”.
Say “Wake-up” again. You will hear “Training word successful”.

UNDO TRAIN ALL






Undo Train All erases all “trained” words.

1. Press  [MENU]    .
2. “Undo voice recognition for all procedures?” will be displayed. Press  [OK] to undo all trained words.

VOICE TOOLS

VOICE SETTING

After turning on Set Active, open the flip to go on to VR mode. After turning on HFK mode, put Hands-free kit and say “wake up” to go on to VR mode.

1. Press  [MENU]   .
2. Under “Set Active”, select a option “Active Flip” or “Send Key”.
3. Under “HFK Mode”, select a option “On” or “Off”.
4. To save, press  [OK].

SCHEDULE

Sets an schedule and reminds you of that event.

ADD NEW PLAN

1. Press [MENU] or press → .
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.

RINGER SETTING

To set a Ringer, press [MENU], then select “Default” or “Change” using the Navigation Key. To save it press [OK].

- **Default:** To set default ringer type.
- **Change:** To set a different ringer than your normal ringer type.

SCHEDULE





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

VIEW EVENT LIST

1. Press [MENU] or press → .
2. Move the Navigation Key to choose an event and press [OK] or [ERASE].
Press [MENU], then select “Erase All” using the Navigation Key. “Erase all plans?” Will be displayed.
Press [OK] to delete.

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.

SETTING



Use the Navigation key to select a setting for the alarm (Once, Daily, Weekly, Monthly, Off).

DATE SETTING

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

- **Once:** Enter the date.
- **Daily:** No input is needed in Date field.
- **Weekly:** To select "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday".
- **Monthly:** Select the date each month, 1 - 31.
- **Off**

TIME SETTING


Use the keypad to set a time for the event and the  to select "AM" or "PM" 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).


ALARM

RINGER SETTING

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

- **Default:** To set default ringer type.
- **Change:** To set a different ringer than your normal ringer type.

PLAN SETTING

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

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

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 an 80-letter limit):

1. Press [MENU] .
2. Input a new text memo.
(Please refer to page 35 for more details on entering letters, numbers and symbols.)
3. To save, press [OK].

VIEW MEMO

To view a saved memo:

1. 1.1. Press [MENU] .
- 1.2. To erase a memo, press [ERASE].
- 1.3. To add a new memo, press [MENU] .
“New Memo”.
- 1.4. To erase all memo, press [MENU] .
“Erase All”.
2. The list of all memos, in saved order, is displayed.
Select a memo and press [OK].
3. The selected memo will appear. To edit it, press [MENU], select “Edit” and input a new text memo.

MEMO PAD

SETTINGS

To select memo pad background image:

1. Press [MENU] .
2. Select “Drop”, “Sky”, “Snow”, “Candy”, or “Pattern”, then press [OK].

CALCULATOR

To access the calculator:

1. Press [MENU] .
2. Follow the instructions below to calculate $8 \times 6 / 4 - 2.5$

Input 8.

Move the Navigation Key to the right.

Input 6 and press the Navigation Key to the left.

Input 4 and press the Navigation Key down.

Input 2 and press the to input (.).

Press 5, .

3. To reset, press [RESET].

NOTE: : \times , : $-$, : \div , : $+$, : $.$,
 : Reset, : $=$.

WORLD CLOCK

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

1. Press [MENU] .
2. Select a city.
3. The world map appears with the city, its date and time.

● **Use the Navigation Key to select another city.**

NOTE: *As the daylight saving time is not applied, it may be different from the actual time during DST.*

STOP WATCH

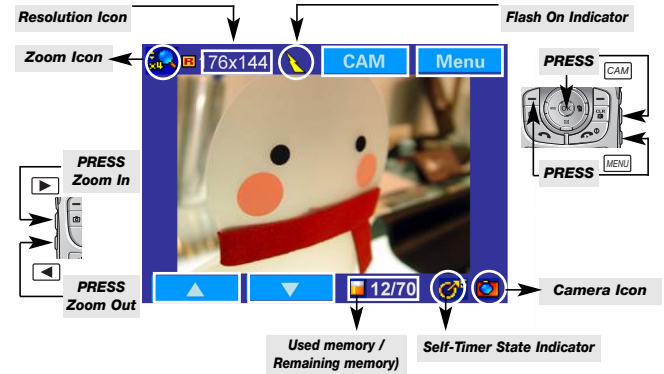
Simultaneously times up to six different events. To operate the stop watch:

1. Press **[MENU]** **[TUV]** **[7PORS]**.
2. To measure a time period.
 1. To start the stop watch, press **[OK]** **[START]**.
 2. To pause it, press **[OK]** **[STOP]**.
 3. To resume it, press **[OK]** **[START]**, To Reset it, Press **[RESET]** to return to the previous page, press **[EXIT]**.
3. To time up to six events at once:
 1. To start, press **[OK]** **[START]**.
 2. To stop a time period and continue measuring another one, press **[CONT]**.
 3. To stop the second and continue measuring a third one, press **[CONT]**.
 4. To measure up to six time periods, repeat the above steps.
 5. To stop the stop watch, press **[OK]** **[STOP]**.
 6. To review the results, press **[VIEW]**.
 7. To return to the stopwatch, press **[OK]** **[OK]**.
 8. To reset it, press **[RESET]**.

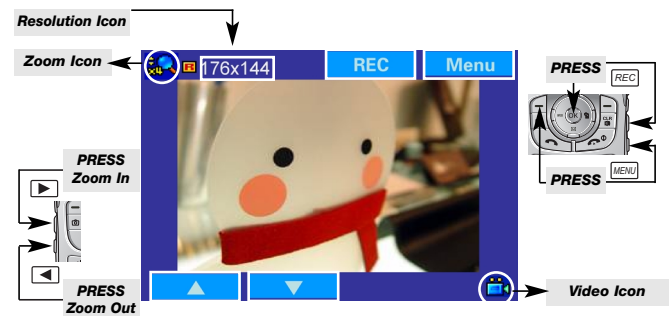
CAMERA

Taking pictures with your phone's built-in camera is as simple as choosing a subject, pointing the lens, and pressing a button. The screen orients from Portrait to Landscape when in Camera mode.

DISPLAY INDICATORS (PICTURE)

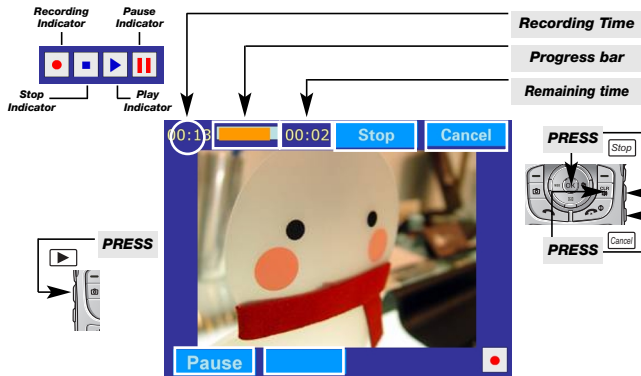


DISPLAY INDICATORS (VIDEO)

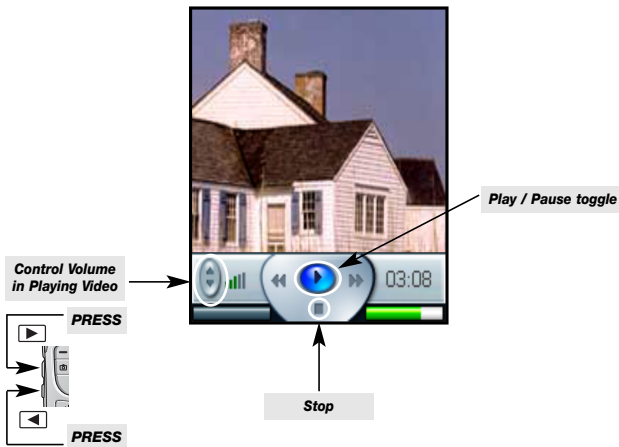


CAMERA

DISPLAY INDICATORS (RECORDING VIDEO)



DISPLAY INDICATORS (VIDEO PLAYER)



CAMERA (TAKE PICTURE)

TO TAKE A PICTURE FROM THE MENU

1. Press [MENU] [9] [1].
("Please Rotate Display 90 Degree" will be displayed for 2 seconds before the LCD shows the camera view.)
2. Point the camera lens at your subject. You can check the picture framing through the main display screen.
3. Press [CAM] or [OK] to take the picture.
4. To save the picture, press [SAVE].
To go back to idle mode without saving the picture, press [BACK]. To take another picture without saving the picture you just took, press [CLR]. To send the picture to someone, press [CAM] [SEND].
Please refer to page 113 for more details on "New Picture Message".

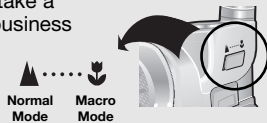
● **You may receive a call anytime. If you have an inbound call, View Finder mode will quit and you can take the call. However, SMS or Picture Msg may not inform you the receiving status of a call before camera mode quits.**

CAMERA (TAKE PICTURE)

TO TAKE A PICTURE IN IDLE MODE

1. Press or .
("Please Rotate Display 90 Degree" will be displayed for 2 seconds before the LCD shows the camera view.)
2. Point the camera lens at your subject. You can check the picture framing through the main display screen.
3. Press [CAM] or [OK] to take the picture.
4. To save the picture, press [SAVE].
To go back to idle mode without saving the picture, press . To take another picture without saving the picture you just took, press . To send the picture to someone, press [SEND].
Please refer to page 113 for more details on "New Picture Message".

- **ZOOM (preview):** or zoom in/ or zoom out
- **POPUP MENU:** Press / in current options popup menu.
- **Macro:** Macro Mode lets you take a picture of text, like a business card, more clearly than Normal Mode.



Shortcut: Press when in Camera mode to switch between Picture and Video modes.

CAMERA (TAKE PICTURE)

CAMERA MODE OPTIONS

Press [MENU] to access the camera mode options.

- **Flash:** To activate the flash function.
(Off/Auto Flash/Always On/On This Shot)
- **Self Timer:** To activate the camera's timer function.
(Off/5 Secs/10 Secs)
- **Self Portrait:** To rotate 180° the viewfinder to the LCD.
Take a picture of yourself by checking the view on the LCD. This setting will change the LCD orientation. (Off/On)
- **Add/No Frames:** Select your favorite fun picture frame to decorate your picture.
(Flower/Mask/Sweet Heart/Fist-Punch/Sports/Stars/Candle/Event/Roses/Lips/Sea/Sky/Snowman/Tropics/Window)
- **Brightness:** Press (0~+2) or press (0~-2) to select brightness control.
- **Quality:** To select a picture quality. (High/Medium/Low)
- **Contrast:** Press (0~+2) or press (0~-2) to select contrast control.
- **Resolution:** To select a resolution for a picture.
(1280X960/1024X768/640X480/320X240/176X144/160X120)
- **Shutter Sound:** To select a shutter sound. (Off/Default/Say "Cheese"/Ready! 123)

CAMERA (TAKE VIDEO)

TO RECORD A VIDEO

1. Press [MENU] .
("Please Rotate Display 90 Degree" will be displayed for 2 seconds before the LCD shows the camera view.)
2. Point the camera lens at your subject. You can check the picture framing through the main display screen.
- 3.1 Press [REC] or [OK] to record the video clip.
- 3.2 Press [PAUSE] to pause recording.
Press [RESUME] to Resume recording.
- 3.3 Press [STOP] or [OK] to stop recording.
- 4.1 To save the video, press [SAVE].
- 4.2 To replay the video, press [REPLAY].
- 4.3 To send a video message, press [SEND].
Please refer to page 115 for more details on "New Video Message".
- 4.4 To return to video mode, press [CANCEL].

● **POPUP MENU:** Press / in current popup menu.





CAMERA (TAKE VIDEO)

CAMERA MODE OPTIONS


Press [MENU] or [MENU] to access the camera mode options.

- **Movie Light:** To activate the movie flash function.
(Off/Always On)
- **Self Timer:** To activate the camera's timer function.
(Off/5 Secs/10 Secs)
- **Self Portrait:** To rotate 180° the viewfinder to the LCD.
Take a picture of yourself by checking the view on the LCD. This setting will change the LCD orientation. (Off/On)
- **Brightness:** Press (0~+2) or press (0~-2) to select brightness control.
- **Contrast:** Press (0~+2) or press (0~-2) to select contrast control.
- **Mute:** Phone is muted during recording of a video. (Off/On)

PICTURE GALLERY





1. Press  [MENU]  .
2. In Review Mode, you can view all the pictures you have stored in your phone.
3. Select photo image with the Navigation Key.
4. To send picture message, press  [SEND].
Please refer to page 113 for more details on “New Picture Message”.

PICTURE GALLERY OPTIONS


Press  [MENU] to access the Picture Gallery options.

- **Edit Title:** To edit the picture’s title.
- **Assign:** To assign the picture image.
(Wallpaper/Picture Caller ID/Screen Saver/Incoming Call)
- **Take New Picture:** To return to Camera mode to take another picture.
- **Erase:** To erase selected pictures.
- **Erase All:** To erase all the pictures in your phone.
- **View List:** To view saved picture list by title of pictures.
- **Information:** To display pictures information such as resolution, picture quality, file size, etc.

VIDEO GALLERY

1. Press  [MENU]  .
2. In Review Mode, you can view all the videos you have recorded and stored in your phone.
3. Select video with the Navigation Key.
4. To send video message, press  [SEND].
Please refer to page 115 for more details on “New Video Message”.

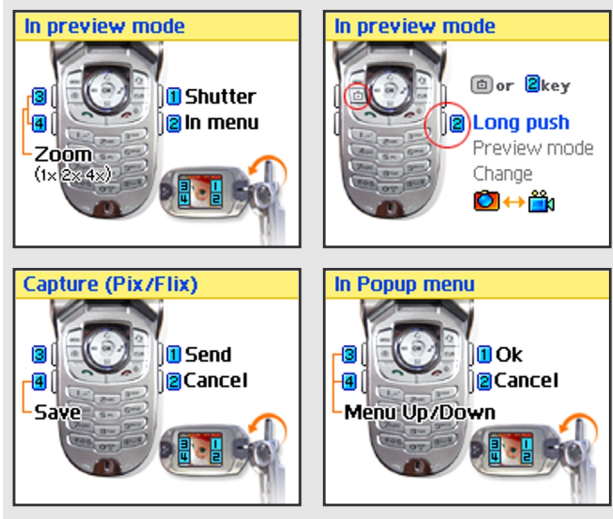
VIDEO GALLERY OPTIONS

Press  [MENU] to access the Video Gallery options.

- **Edit Title:** To edit the video’s title.
- **Playback:** To play back the video.
- **Take New Video:** To return to Video Mode to record another video.
- **Erase:** To erase the video.
- **Erase All:** To erase all the videos in your phone.
- **Information:** To display video information such as resolution, time/date, size, etc.

HELP

1. Press [MENU] .
Press [NEXT] to move to the next Help screen.



Chapter 6


VOICE MAIL AND TEXT, PICTURE, VIDEO MESSAGES

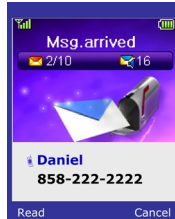
This chapter addresses checking voice mail messages, as well as sending and receiving text, picture and video messages.

- When a New Message Arrives
- New Text Message
- New Picture Message
- New Video Message
- Inbox
- Outbox
- Web Alerts
- Saved
- Quick Text
- Erase All
- Settings


WHEN A NEW MESSAGE ARRIVES

TEXT, PICTURE, VIDEO MESSAGE

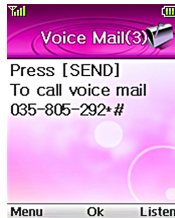
1. The following display appears when a new message arrives.
2. To display the message, press  [READ].



VOICE MAIL





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


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




NEW TEXT MESSAGE


To send a new message:

1. Press  [MENU]   or press .
2. Under “Send To”, input the phone number.


● **By pressing  [MENU] when in the phone number input screen, the user can choose from the following:**

1. **Find:** Allows the user to search the phone number which is stored in the phone book.
2. **Save to Contact:** Stores the phone number the message was sent to.
3. **Msg Group:** Allows to select all the phone numbers in a group.

3. Press  [OK].
4. Under “Message”, input a new text message.
(Please refer to page 35 for more details on entering letters, numbers and symbols.)

● **By pressing  [MENU], the user can choose from the following:**

1. **Insert Quick Text:** Insert already saved sentences.
2. **Insert Sound:** Insert a downloaded or preloaded sound.
3. **Insert Picture:** Insert a downloaded or preloaded icon.
4. **Insert Animation:** Insert a downloaded or preloaded emoticon animation.
5. **Save to Quick Text:** Saves the written sentences on text message to the Quick Text list.

5. Press  [OK].
6. The default call back number is automatically inputted into the Default CB# field. You can scroll to the number and edit it.

NEW TEXT MESSAGE

7. Under “Priority”, select “Normal” or “Urgent” by pressing the Navigation Key left or right.
8. Under “Insert”, select “On” or “Off” by pressing the Navigation Key left or right.
9. To send the text message, press [MENU] and select “1. Send”.




To save the text message, press [MENU] and select “2. Save Msg”.


NEW PICTURE MESSAGE


To send a new picture message:

1. Press [MENU] or press .
2. Phone goes into camera mode automatically. Take a picture and press [SEND].
(Please refer to page 101 for more details on taking a photo.)
3. Under “Send To”, input the phone number.
 - **By pressing [MENU], the user can choose from the following:**
 - 1. Find:** Allows you to search for a phone number that is stored in the phone book.
 - 2. Save to Contact:** Stores the phone number the message is being sent to in the phonebook.
 - 3. Msg Group:** Allows you to select all the phone numbers in a group.
 - 4. Online Album:** To send pictures by using online Address Book.
4. Press [OK].
5. Under “Message”, input your message text under the picture you are sending.
 - **By pressing [MENU], the user can choose from the following:**
 - 1. Voice Record:** To record a voice memo.
 - 2. Insert Q.Text:** Inserts already saved sentences.
 - 3. Insert/Delete Picture:** Inserts or deletes a picture from the message.
 - 4. Insert/Delete Sound:** Inserts or deletes a pre-recorded voice memo from the message.
 - 5. Insert/Delete Slide:** Inserts or deletes a slide from the message. In a new slide you can insert a new picture, voice memo and choose the slide duration.
 - 6. Slide Duration:** To select a slide duration time (Off, 5 secs, 10 secs, 15 secs, 30 secs)
6. Press [OK].

NEW PICTURE MESSAGE











- Under “Subject”, input a subject text and press  [OK].
(Please refer to page 35 for more details on entering letters, numbers and symbols.)
- To send a message to another person, select the “CC” or “BCC” and input the phone numbers, then press  [OK].
- Under “Priority”, select “Normal” or “High” by pressing the Navigation Key left or right.
- Under “Expiration”, select “Off”, “1 day”, “2 days”, “3 days”, “4 days” or “5 days” by pressing the Navigation Key left or right.
- Under “Insert”, select “On” or “Off” by pressing the Navigation Key left or right.
- To send the picture message, press  [MENU] and select “Send”.

To preview a written picture message. press  [MENU] and select “Preview”.




To save the picture message, press  [MENU] and select “Save Msg.”.

NEW VIDEO MESSAGE


To send a new video message:

- Press  [MENU]   or press  .
- Phone goes into camcorder mode automatically. Take a video and press  [SEND].
(Please refer to page 104 for more details on taking a video.)
- Under “Send To”, input the phone number.
 - **By pressing**  [MENU], the user can choose from the following:
 - 1. Find:** Allows you to search for a phone number that is stored in the phone book.
 - 2. Save to Contact:** Stores the phone number the message is being sent to in the phone book.
 - 3. Msg Group:** Allows you to select all the phone numbers in a group.
 - 4. Online Album:** To send pictures by using online Address Book.
- Press  [OK].
- Under “Message”, input your message text.
 - **By pressing**  [MENU], the user can choose from the following:
 - 1. Insert Q.Text:** Inserts already saved sentences.
 - 2. Insert/Delete Video:** Inserts or deletes a video from the message.
- Press  [OK].

NEW VIDEO MESSAGE









7. Under “Subject”, input a subject text and press  [OK].
(Please refer to page 35 for more details on entering letters, numbers and symbols.)
8. To send a message to another person, select the “CC” or “BCC” and input the phone numbers, then press  [OK].
9. Under “Priority”, select “Normal” or “High” by pressing the Navigation Key left or right.
10. Under “Expiration”, select “Off”, “1 day”, “2 days”, “3 days”, “4 days” or “5 days” by pressing the Navigation Key left or right.
11. Under “Insert”, select “On” or “Off” by pressing the Navigation Key left or right.
12. To send the video message, press  [MENU] and select “Send”.

To preview a written video message. press  [MENU] and select “Preview”.



To save the video message, press  [MENU] and select “Save Msg.”.

INBOX






The Inbox manages received text messages. To access:

1. Press  [MENU]   or press  .
2. Select a message and press  [OK]. The message is displayed. To delete a message, press .
3. Press  [MENU].

REPLY

1. To reply to the text message, press .
2. Type your reply and press .

REPLY WITH COPY

1. To reply to a received message and include the received message into the message, press .
2. The default call back number is automatically inputted into the Default CB# field.
You can scroll to the number and edit it.
3. To send the text message, press  [MENU], select “1. Send” then press  [OK].
4. To save the text message, press  [MENU] and select the “Save Msg” then press  [OK].

INBOX

FORWARD

1. To forward the text message, press **[3 DEF]**.
2. Input the phone number of the person you are sending the message, then press **[OK]** [OK].
3. Input any text message to go along with the forwarded message, then press **[OK]** [OK].

SAVE TO CONTACT

1. To save the number to your phone book, press **[4 GH]**. If more than one number is in the message, choose the number to save and press **[OK]** [OK]. Follow directions on saving a phone number to your phone book.

SAVE TO SAVED

1. To save the text message in your phone, press **[5 INC]**.

SAVE TO QUICK TEXT

1. To save received text message wording to Quick Text list, press **[6 MND]**.

BLOCK SENDER

1. To block all incoming messages from the phone number or email address of the sender, press **[7 PORS]**.

LOCK & UNLOCK

1. To lock or unlock the text message, press **[8 TUV]**.
2. Select “Lock” to lock the message or “Unlock” to unlock the message, then press **[OK]** [OK].

OUTBOX

Manages sent text messages or messages waiting to be sent.

1. Press **[MENU]** **[3 DEF]** **[6 MND]** or press **[OK]** **[6 MND]**.
- 2.1. Select a message, then press **[OK]** [OK].
The text message is displayed.
- 2.2. To erase the message, press **[ERASE]**.
3. Press **[MENU]**.

RESEND

1. To resend a text message, press **[1 SEND]**.

EDIT MESSAGE

1. To edit the message, press **[2 ABC]**.
2. The text message will appear in the edit screen. Edit the message as desired, then press **[OK]** [OK].
3. You can edit or add phone numbers to send the message to, then edit the default CB#, Priority, and Insert fields. Press **[MENU]** then “1. Send” to send the message.

SAVE TO CONTACT


1. To save the phone number to your phone book, press **[3 DEF]**.


OUTBOX

SAVE TO SAVED


1. To save the text message in your phone, press .

LOCK & UNLOCK


1. To lock or unlock the text message, press .

2. Select “Lock” to lock the message or “Unlock” to unlock the message, then press  [OK].


STATE

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

PICTURE INFO

1. To show picture or video message information, press .



PLAY SLIDE SHOW

1. To play the slide picture or video message, press .

WEB ALERTS

WEB ALERTS

1. Press  [MENU]   or press  .

2. To select “GoTo”, press  .
To select “Erase”, press .

3. The text message will be displayed.

 : **Read Message.**

 : **Unread Message.**

 : **Displays the remaining text.**

GoTo : Connecting Selected Site.

Erase : Erase Selected Message.

SAVED

SAVED

Manages saved messages from the Inbox/Outbox.

1. Press [MENU] or press .
- 2.1. Select a text message then press [OK].
The text message is displayed.
- 2.2. To erase the message, press [ERASE].
3. Press [MENU].
4. 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 Quick Text, Save to Contact, 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, Picture/Video info, Play Slide Show**

QUICK TEXT

QUICK TEXT

To view/edit the quick text messages:

1. Press [MENU] or press .
- 2.1. Select a quick text message from the list.
Press [MENU].
- 2.2. To add a new quick text message, press [Add New]. To edit the quick text message you have selected, press [Edit].
3. To erase the saved quick text message, press [ERASE]. “Erase this Quick Text?” is displayed. Press [OK] to erase.

ERASE ALL

ERASE MESSAGES

1. Press [MENU] or press .
- 2.1. To erase all folders messages, press .
- 2.2. To erase all the inbox messages, press .
 - **Old inbox: To erase all messages already read.**
 - **Entire inbox: To erase all messages. However, the locked messages will not be deleted. You need to unlock those messages in order to delete them.**
- 2.3. To erase all the outbox messages, press .
- 2.4. To erase the saved messages, press .
- 2.5. To erase the web alerts messages, press .
3. Press [OK] to erase or [CANCEL] to cancel.

SETTINGS

Manages messaging features through various features.

AUTO SAVE

SAVE SENT MSG

1. Press [MENU] or press . Then press "Auto Save".
2. Press . Select "Off", "On", or "Prompt" with the Navigation Key.
3. Press [OK].

PIC./VIDEO RECEIVING

1. Press [MENU] or press . Then press "Auto Save".
2. Press . Select "Automatic" or "Prompt" with the Navigation Key.
3. Press [OK].

SETTINGS

AUTO ERASE

Automatically erases inbox/outbox messages when new messages arrive.

INBOX

1. Press [MENU] or press . Then press "Auto Erase".
2. Press . Select "Disable" or "Enable" with the Navigation Key.
3. Press [OK].

OUTBOX

1. Press [MENU] or press . Then press "Auto Erase".
2. Press . Select "Disable" or "Enable" with the Navigation Key.
3. Press [OK].

SETTINGS

DEFAULT CB#

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

1. Press [MENU] or press . Then press "Default CB#".
2. Input a call back number, then press [OK].

● Press [FIND] to find a number from the phone book.

VOICE CB#

1. Press [MENU] or press . Then press "Voice CB#".
2. Press [MENU] to enter a hard pause or timed pause. Press [FIND] to find a number from the phone book. Input a voice call back number, then press [OK].

REMIND

Enables phone to alert you of an incoming message.

1. Press [MENU] or press . Then press "Remind".
2. Select "On" or "Off" with the Navigation Key.
3. Press [OK].

SETTINGS

SIGNATURE

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

1. Press [MENU] or press . Then press "Signature".
2. Press to erase existing characters. Use the keypad to input the new signature.
3. Press the Navigation Key down to Insert field. Press the Navigation Key left or right to activate (On) or deactivate (Off) the signature function.
4. Press [OK].

SETTINGS

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] or press . Then press "Direct View".
2. Select "Off" or "On" with the Navigation Key.

- **OFF:** Set to read msg after entering inbox in SMS menu.
- **ON:** Set to read msg without 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] or press . Then press "Entry Mode".
2. Select "Alpha Mode" or "T9 Mode" with the Navigation Key.
3. Press [OK].

SETTINGS

BLOCK OR UNBLOCK

1. Press [MENU] or press . Then press "Block or Unblock".
2. Select "Block", "Unblock", or "View List of Blocked Address" with the Navigation Key.
3. Press [OK].

PUSH SETTINGS

1. Press [MENU] or press . Then press "Push Settings".
2. Select "Yes" or "No" with the Navigation Key.
3. Press [OK].

Chapter 7

BREW & INTERNET

This chapter addresses using your handset to access the Wireless Internet.

- BREW
- Start Internet Browser
- Browser Menu

BREW

Your phone provides “BREW”, a unique feature 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 BREW

1. To launch “BREW” from the standby mode, press [MENU] or press .
2. When two or more icons appear on the screen, select an application by pressing the Navigation Key left or right.
3. To start the application, press .
4. To end the application, press .
The phone will return to the standby mode or the previous screen status.

DOWNLOADING APPLICATIONS

1. Press [MENU] or press .
2. Select “MobileShop” and press .
3. Select Catalog and press .
4. The phone will access your service provider’s server. Follow the prompt to download applications.

- **To select an option, scroll to the option by pressing then press .**
- **When a prompt appears, press to proceed or to cancel.**

BREW

DOWNLOADING MELODIES/WALLPAPERS

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

APPLYING MELODIES/WALLPAPERS

Downloaded melody ringers apply to several functions including the incoming call alert, new text message alert, alarm clock and scheduler alarm.
See Ringer Type on page 58.

Downloaded wallpapers apply to the standby mode.
See Wallpaper on page 64.









CHECKING DATA FOLDER MEMORY

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

1. Press [MENU] or press .
2. Select “Settings” and press .
3. Select “Manage Apps” and press [SYSTEM INFO].
The memory status will be displayed.
4. To exit, press .

BREW





ERASING AN APPLICATION

1. Press  [MENU]   or press .
2. Select “Settings” and press .
3. Select “Manage Apps” and press .
The memory status will be displayed.
4. Select the application to be erased and press .
5. Select “Remove” then press .

START INTERNET BROWSER

ACCESS THE INTERNET

Your CDM-8930 allows you to browse various Internet websites directly from your phone. This provides you with access to up-to-date information such as news, sports, weather and stock quotes when you subscribe to Internet service with your service provider. Please contact your service provider for a list of available websites and service details.

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

BROWSER MENU

BROWSER MENU

The browser menu lists the actions necessary to operate the browser.

Press [MENU] or press to access the browser menu.

HOME

When the home item is selected from the browser menu, the phone displays the home page.

- ◆ To display the homepage, press [MENU] or press , press long volume up key then press .

BACK

- ◆ To return to the previous page, press [MENU] or press , press long volume up key then press .

FORWARD

- ◆ To forward to the next page, press [MENU] or press , press long volume up key then press .

REFRESH

Selecting the refresh item from the browser menu refresh the current page.

- ◆ To select “Refresh”, press [MENU] or press , press long volume up key then press .

BROWSER MENU

HISTORY

When the history item is selected from the browser menu, the browser is displayed with the browser version and copyright information.

The device layer version is also displayed.

- ◆ To select “History”, press [MENU] or press , press long volume up key then press .

ADDRESS

Selecting the “Address” action displays the URL of the current page.

- ◆ To select “Address”, press [MENU] or press , press long volume up key then press .

BOOKMARKS

- ◆ To view your “Bookmark List”, press [MENU] or press , press long volume up key then press .

This provides easy website access without entering a URL.

CLEAR MEMORY

- ◆ To clear browser memory, press [MENU] or press , press long volume up key then press .

BROWSER MENU

SETTINGS

- ◆ To select “Address”, press [MENU] [5] [1], or press [VOLUME UP], press long volume up key then press [8].

- **Downloads**
- **Restart Browser**
- **Scroll Mode**
- **Send Referrer**
- **Key Press Timeout**
- **Connection Timeout**

ADVANCED

Selecting the advanced item in the browser menu displays the advanced menu items.

- ◆ To select “Advanced”, press [MENU] [5] [1], or press [VOLUME UP], press long volume up key then press [9].

- **About...**
- **Encryption: 1. Authentication**
2. Root Certificate
3. Current Certificate

EXIT

- ◆ To exit browser, press [MENU] [5] [1], or press [VOLUME UP], press long volume up key then press [0].

Chapter 8

SAFETY INFORMATION

- Safety Information for Wireless Handheld Phones
- Safety Information for FCC RF Exposure
- SAR Information
- FDA Consumer Update

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld
Portable Cellular Telephone

EXPOSURE TO RADIO FREQUENCY SIGNALS

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

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

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

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

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

*****;

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

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

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.

PHONE OPERATION

Normal Position: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on efficient operation:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

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 require.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

ELECTRONIC DEVICES

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

Pacemakers

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

If you have a pacemaker:

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

Hearing Aids

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

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

ELECTRONIC DEVICES

Other Medical Devices

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

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

Vehicles

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

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.

Posted Facilities

Turn your phone OFF where posted notices so require.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

OTHER SAFETY GUIDELINES

Aircraft

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

Blasting Areas

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

Potentially Explosive Atmospheres

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, 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 AND WARNINGS

Please read and understand all of the Precautions and Warnings contained in this manual before attempting to operate your phone.

1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists, such as near a heater or in a closed car parked in the sun.
2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.
3. DO NOT expose this equipment to liquids such as rain or spilled beverages.
4. DO NOT use unauthorized accessories. Use of unauthorized accessories may result in fire, electric shock or other bodily injury.
5. DO NOT disassemble the phone or its accessories. If service or repair is required, return the unit to an authorized Audiovox service center. If unit is disassembled, the risk of electric shock or fire may result.
6. DO NOT short-circuit the battery terminals with metal items etc.
7. DO NOT use harsh chemicals, cleaning solvents or strong detergents to clean this phone. Always clean it with a soft, damp cloth.
8. DO NOT paint this phone. This can clog moving parts.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

OPERATING PROCEDURES

Never violate any of the following Rules and Regulations of the FCC when using your phone. The following offenses are punishable by fine, imprisonment, or both:

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

SAFETY INFORMATION FOR FCC RF EXPOSURE

WARNING! Read this information before using your phone

CAUTION

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 (Holster Part Number : 2H020665002)

This device was tested with holster (Part No:2H020665002) for body-worn operation with the back of the phone kept 0.59 inches (15mm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.59 inches (15mm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. All belt-clips, holsters and similar accessories used by this device must not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure limits and should be avoided.

Note: 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,

SAR INFORMATION

as described in this user guide, is 0.633 W/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 FCC ID PP4TX-130C.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://phonefacts.net>.

* 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.



**U.S. Food and Drug Administration -
Center for Devices and Radiological Health
Consumer Update on Mobile 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 interagency 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 handheld wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. 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 predisposed 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. 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 Engineering (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.

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 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.nrpb.org.uk/>)

Chapter 9

WARRANTY

- Protect Your Warranty
- 12 Month Limited Warranty

PROTECT YOUR WARRANTY

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

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

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



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AUDIOVOX COMMUNICATIONS CANADA CO.

5155 Spectrum Way, Unit #5, Mississauga, Ontario
Canada L4W 5A1, 800-465-9672

12 MONTH LIMITED WARRANTY

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

The 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 assignable or transferable.

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;

12 MONTH LIMITED WARRANTY

- (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 or purchase for repair or replacement processing. In addition, for reference to an authorized Warranty station in your area, you can 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

12 MONTH LIMITED WARRANTY

WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY 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.

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