CHAPTER 1
**BEFORE USING
YOUR PHONE**

This chapter provides important information about using the
CDM-8960 including:

INSIDE THE PACKAGE

HANDSET DESCRIPTION

BATTERY USAGE

BATTERY HANDLING INFORMATION

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

Standard Battery

Handset

USER GUIDE

AC/DC Travel Adaptor

User Guide

Gender

NOTE Headset shall be connected to gender when you use it.

The CDM-8960 weighs 3.93oz. and the dimensions are 1.86" x 3.65" x 0.78".

Charger Jack/Ear-mic Jack
Camera Key
Volume Key
Handstrap
AVR Key
micro SD Card
Phone Speaker

Camera Lens
Sub LCD
Music Play Key

Earpiece
Function Keys
Camera Key
END/Power Key
Clr Key
Microphone

Navigation Key
Speaker Key
Send Key

■ THE FUNCTION KEYS

Text & Graphic Area

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

Display Indicators
See page 11 for a list of icons.

THE NAVIGATION KEYS
In Idle Mode
Press Left for Shortcut Key 1, Up for Shortcut Key 2, Right for Shortcut Key 3 and Down for Shortcut Key 4.
Inside The Menu
Within a menu, press the Navigation Key UP/DOWN/LEFT/RIGHT to scroll through options or press OK to select the function.

OK Key
Press to access the main menu.

Left Soft Key
Press to access the message menu or function displayed on bottom line.

Press to turn Speaker Phone On or Off.

Press to make or receive a call.

Right Soft Key
Press to access contacts menu or function displayed on bottom line.

Camera Key
Short Press: Camera mode.
Long Press: Camcorder mode.

Press to clear a digit from the display or to return to the previous page.

Press and hold to display a plus "+" for international dialing.

Press and hold to turn Vibrate mode On/Off.

■ DISPLAY INDICATORS

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

EV: The EV service mode indicator shall display with/without a progress bar when a 1x-EVDO device has only acquired 1x-EVDO service (e.g., roaming to a 1x- EVDO service area only).

1X: The 1X signal strength indicators shall display with/without a progress bar when a 1x-RTT CDMA2000 services.

D: The D signal strength indicators shall display with/without a progress bar when a CDMA IS-95 service.

EV & 1X: The EV and 1X signal strength indicators shall display with/without a progress bar when a 1x-EVDO device has acquired both 1x-RTT CDMA2000 and 1x-EVDO services.

EV & D: The EV and D signal strength indicators shall display with/without a progress bar when a 1x-EVDO device has acquired both 1x-EVDO service and CDMA IS-95 service.

Standalone
Transmitting and receiving information is restricted.

Roaming
Phone is out of home area.

Voice

Data Active

Dormant
Phone is in a dormant state during a data call. Phone reverts to Dormant mode when there hasn t been activity on a page for some time — the connection is still active and you can make and receive calls.

No Service
Phone cannot receive a signal from the system.

GPS Icon
Location Service of your phone is disabled/enabled.

Voice Privacy
Indicates Voice Privacy mode.

SSL (Secured Socket Layer)
Indicating that secure communication between client and server has been established during data communication using encryption.

TTY
TTY mode is active.

Bluetooth
Indicates Bluetooth mode.

Bluetooth Active
Indicates Bluetooth Active mode.

Bluetooth Conn
Indicates Bluetooth Connect.

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

Keylock
Indicates Keylock.

New Messages
Indicates you have new message.

Voicemail
Indicates you have voicemail messages.

Missed Calls

Calendar Appointment
Event Alarm is active.

Speaker Phone
Phone is in Speaker Phone mode.

Alarm
Appears when an alarm is set.

All Sounds Off
Ringer volume is set to off.

Alarm Only
Phone will alert you with an alarm tone.

Vibrate Only
Phone will vibrate when call is received.

■ BATTERY INSTALLATION

❶ Place the battery on the back of the phone so the metal contacts match up on the battery and in the battery cavity.

❷ Push the battery down into the battery cavity until it locks into place.

❸ Place the battery cover over the battery and slide up into place.
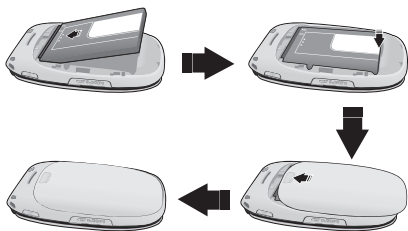
> **NOTE**
> If the battery is not correctly placed in the compartment, the handset will not turn on and/or the battery may detach during use.

■ BATTERY REMOVAL

❶ Push down the release latch button, then slide the battery cover off the phone.

❷ Lift the battery up and out of the battery cavity.
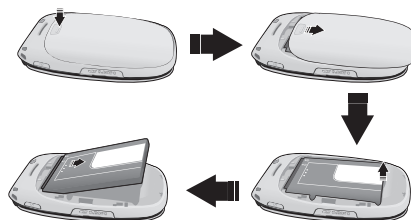
■ BATTERY CHARGING

❶ Plug the AC/DC Travel Adaptor into a standard outlet.

❷ Plug the other end of the AC/DC Travel Adaptor into the upper of left side your phone. The battery must be installed onto the phone.

- When you charge the battery with the phone power off, you will see a charging status screen. You cannot operate the phone until it is powered on.
- The battery is not charged at the time of purchase.
- Fully charge the battery before use.
- It is more efficient to charge the battery with the handset powered off.
- The battery must be connected to the phone in order to charge it.
- Battery operating time gradually decreases over time.
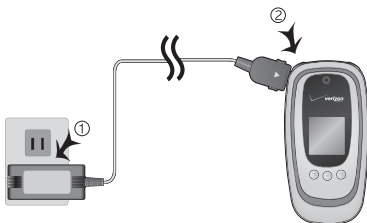- If the battery fails to perform normally, you may need to replace the battery.

■ DO's

- 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**
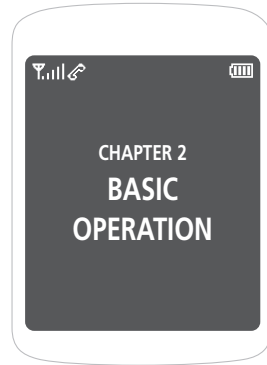
This chapter addresses and explains the basic features of your phone including:

TURNING THE PHONE ON / OFF
ACCESSING THE MENU
MENU SUMMARY
BASIC FUNCTIONS
DURING A CALL
MAKING AN EMERGENCY CALL
USING THE MICRO SD CARD

■ TURNING THE PHONE ON

❶ Press and hold END until your "Power On" logo appears and the tone sounds.

> **NOTE** If "Enter Lock Code" appears on the display enter your 4-digit password to unlock your phone.

■ TURNING THE PHONE OFF

❶ Press and hold END until your "Power Off" logo appears.

> **NOTE**
> • Immediately change or recharge the battery when "BATTERY LOW" appears on the display. Memory may possibly be damaged if the phone turns off due to the battery completely draining.
> • Turn the phone off before removing or replacing the battery. If the phone is on, unsaved data may be lost.

> 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.

❶ To access the menu in the idle mode, press OK [MENU].

❷ To scroll through the menu use the Navigation Key.

❸ To return to the previous page, press CLR.
To exit the current menu and return to the idle mode, press END.

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

> **NOTE** **Hotkey**
> In idle mode, move the Navigation Key as follows to access these functions:
> • **Leftward movement :** Shortcut key 1
> • **Upward movement :** Shortcut key 2
> • **Rightward movement :** Shortcut key 3
> • **Downward movement :** Shortcut key 4

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
1. GET IT NOW	1. Music & Tones	1. V CAST Music	
		2. Get New Ringtones	1. Get New Applications
		3. My Ringtones	1. Get New Ringtones
		4. My Music	
		5. My Sounds	1. Record New
		6. Sync Music	
	2. Picture & Video	1. V CAST Videos	
		2. Get New Pictures	1. Get New Applications
		3. My Pictures	
		4. My Videos	
		5. Take Picture	
		6. Record Video	
		7. PIX Place	
	3. Games	1. Get New Applications	
	4. News & Info		
	5. Tools on the Go	1. Get New Applications	
	6. Extras	1. Get New Applications	
2. MESSAGING	1. New Message	1. TXT Message	
		2. Picture Message	
		3. Video Message	
	2. Inbox		
	3. Sent		
	4. Drafts		
	5. Voicemail		
	6. Mobile IM	1. Get New Applications	
	7. E-mail		
	8. Chat		
3. CONTACTS	1. New Contact		
	2. Contact List		
	3. Groups		
	4. Speed Dials		
	5. In Case of Emergency		
	6. My Name Card		

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
4. RECENT CALLS	1. Missed		
	2. Received		
	3. Dialed		
	4. All		
	5. View Timers		
5. SETTINGS & TOOLS	1. My Account		
	2. Tools	1. Voice Commands	
		2. Calculator	
		3. Calendar	
		4. Alarm Clock	1. Alarm 1
			2. Alarm 2
			3. Alarm 3
		5. World Clock	
		6. Notepad	
		7. Stop Watch	
	3. Bluetooth Menu	1. Add New Device	
	4. Sounds Settings	1. Call Sounds	1. Call Ringtone
			2. Call Vibrate
		2. Alert Sounds	1. TXT Message
			2. Pic-Video Message
			3. Voicemail
		3. Keypad Volume	
		4. Service Alerts	1. ERI
			2. Minute Beep
			3. Call Connect
		5. Power On/Off	1. Power On
			2. Power Off
	5. Display Settings	1. Banner	1. Personal Banner
			2. ERI Banner
		2. Backlight	1. Display
			2. Keypad
		3. Wallpaper	1. Main Screen
			2. Front Screen
		4. Display Themes	
		5. Dial Fonts	
		6. Clock Format	1. Main Clock
			2. Front Clock

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
	6. Phone Settings	1. Standalone Mode	
		2. Set Shortcut keys	1. Left Key
			2. Up Key
			3. Right Key
			4. Down Key
			5. Reset All
		3. Voice Commands	1. Mode
			2. Call Alert
		4. Language	
		5. Location	
		6. Security	1. Edit Codes
			2. Restrictions
			3. Phone Lock Setting
			4. Lock Phone Now
		7. System Select	
		8. NAM Select	1. Auto NAM
			2. Change NAM
	7. Call Settings	1. Answer Options	
		2. Auto Retry	
		3. TTY Mode	
		4. One Touch Dial	
		5. Voice Privacy	
		6. DTMF Tones	
	8. Memory	1. Save Options	
		2. Phone Memory	
		3. Card Memory	
	9. Phone Info	1. My Number	
		2. SW Version	
		3. Icon Glossary	

■ MAKING A CALL

❶ Enter a phone number.

> **NOTE**
> **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` .
> **Phone number display in contact list**
> If there is no name in the Contact's name field, the highest priority phone number is displayed. If no phone numbers are stored, the email address appears.
> All matching entries will be displayed. To call the selected number, press `SEND` .
> **To send the TXT, Picture or Video message with phone number:**
> • Enter a part of the phone number and then press Right Soft Key ••• [OPTIONS], select "New TXT Message, New Picture Message or New Video Message". Please refer to page 130, page 132 or page 134 for more details on "Send New TXT Message, Send New Picture Message or Send New Video Message".

❷ Press `SEND` . The indicator, ▢ , appears on the display.

> **NOTE**
> • If "CALL FAILED" appears on the display or the line is busy, press `END` or `SEND` .
> • If you activate the "AUTO RETRY" function, the phone will automatically retry. (Refer to page 84).
> • When you place or receive a call from stored phone numbers, the name will be displayed.
> • There is another way to make a call through the VR mode, which is called "Call <Name><Loc>". Please refer to page 92 for more details.
> • If "Enter Lock Code" appears on the display enter your 4-digit password to unlock your phone.

❸ To end a call, press `END` .

■ ANSWERING CALLS

❶ When your phone rings or vibrates, press **SEND** to answer the incoming call.
(Depending on your phone's settings, you may also answer incoming calls by opening the phone or by pressing any key.)

📓 **NOTE** To ignore incoming calls, press Right Soft Key •••
[IGNORE].

❷ To end a call, press **END** .

■ SPEAKER PHONE
The Speaker Phone feature lets you hear audio through the speaker and talk without holding the phone.

❶ To activate the Speaker Phone in idle, answering or calling modes, press Speaker Key 🔊 .

❷ When the Speakerphone mode is on in the idle mode, the Speakerphone mode will be off one minute later. When Speakerphone mode is on in the idle mode, you make a call within one minute, the Speakerphone mode will be off upon ending the call.

■ CALLER ID FUNCTION
Identifies caller by displaying their phone number.
If the caller's name and number are already stored in your contact list, name will appear. The caller ID is stored in the recent calls list.

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

❶ To insert a wait/pause, enter a phone number and then press Right Soft Key ••• [OPTIONS]. Select either 2-Sec Pause ("P") or a Wait ("W").

❷ Press to dial **SEND** or Left Soft Key •• to save. Please refer to page 36 for more details about storing a phone number.

■ ANSWERING A CALL

❶ To answer a call, press any key except **END** , Right Soft Key ••• , **CLR** , Side Camera Key 📷 , Side AVR Key 🎙 , Speaker Key 🔊 , Side Volume Key 📶 / 📶 or Left Soft Key •• .

> To select an answering option, press **OK** [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools"menu. Pressing **7pqrs** for Call Settings, then **1** for Answer Options, select either "Flip Open", "Any Key", "Send Only" or "Auto w/ Hands-free".

❷ To end the call, press **END** .

📓 **NOTE** In Auto Answer Mode a call is automatically answered after a preset number of ring tones. See page 84 for more details.

■ MAKING AN INTERNATIONAL CALL
Press and hold ✷ . When "+" is displayed, enter the country and area codes, then complete the number and send the call.

■ 3-WAY CALLING
With 3-Way Calling, you can talk to two people at the same time. When using this feature, the normal airtime rates will be applied for each of the two calls.

❶ Enter the number you wish to call and then press SEND .

❷ Once you have established the connection, enter the second number you wish to call and then press SEND .

❸ When you're connected to the second party, press SEND again to begin your 3-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.

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

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

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

■ CALLING A NUMBER FROM CONTACTS
Press Right Soft Key ••• [CONTACTS] to access the directory.
Select the desired phone number and press SEND .

■ ADJUSTING MASTER VOLUME
To adjust the master volume:

❶ In idle mode, press the up or down side volume key.

❷ Select one of the following options and press OK [SET] to save it.

> • **All Sounds Off**
> • **Alarms Only**
> • **Vibrate Only**
> • **Low / Medium Low / Medium / Medium High / High**

> **NOTE** • Move the Navigation Key 🔘 up/down to adjust Earpiece volume during a call.
> • Move the Side Volume Key up or down to adjust Earpiece volume during a call.

■ MUSIC PLAYER
Music Player is for playing WMA/MP3 files saved on a micro SD Card or internal memory. To display the play/list or play/all tracks when the phone is closed, press and hold ⊙ . Press ⊙ [PLAY/PAUSE], press ⊙ [FFW] or press ⊙ [FRW] to select another WMA/MP3 file. To stop the music player, open the shell and press END .

■ VIBRATE ON/OFF MODE

❶ To activate vibrate on/off mode, press and hold # .

■ AVAILABLE OPTIONS DURING A CALL
To display menu options during a call, press Right Soft Key ●●●
[OPTIONS].

MESSAGING
Enables you to send a message in the during a call.

❶ Press Right Soft Key ●●● [OPTIONS], then 1 @ for
Messaging.

CONTACT LIST
To select the phone number in your Contact List.

❶ Press Right Soft Key ●●● [OPTIONS], then 2 abc for
Contact List.

RECENT CALLS
To select the phone number in Recent Calls.

❶ Press Right Soft Key ●●● [OPTIONS], then 3 def for
Recent Calls.

AUDIO TO DEVICE / AUDIO TO PHONE
Display only if device supports Bluetooth connections. If device
supports Bluetooth disconnected, appears Bluetooth Menu instead
of Audio to device / Audio to phone.

❶ Press Right Soft Key ●●● [OPTIONS], then 4 ghi for
Audio to Device / Audio to Phone.

MAIN MENU
To access the phone's main menu in the during a call.

❶ Press Right Soft Key ●●● [OPTIONS], then 5 jkl for
Main Menu.

NOTEPAD
Enables you to compose and store reminders and notes in the during
a call.

❶ Press Right Soft Key ●●● [OPTIONS], then 6 mno for
Notepad.

The 911 feature automatically places the phone in the Emergency Call Mode when you dial the preprogrammed emergency number, 911. It also operates in the Lock Mode and out of the service area.

■ 911 IN LOCK MODE
The 911 call service is available even in the Lock Mode.

❶ Enter "911" and then press SEND .

❷ The call connects.

❸ The phone maintains the Emergency Mode for 5 minutes.

■ 911 USING ANY AVAILABLE SYSTEM

❶ Enter "911" and then press SEND .

❷ The call connects.

❸ The phone will stay in Emergency Mode for 5 minutes.

> While the phone is in the Emergency Mode for 5 minutes, the phone can receive an incoming call from any available system or you can make outgoing calls even in the Emergency Callback Mode. In this case, making a call can automatically end the Emergency Callback Mode.

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

The micro SD card stores sounds, images, photos and videos, music, and other files.

■ INSTALLING THE MICRO SD CARD
To install your micro SD card, use the following steps:

❶ With the micro SD card slot opened, and the gold contacts facing down, insert the micro SD card into the slot.
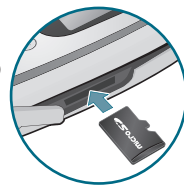
❷ Push the card in until it clicks into place. Close the micro SD card slot.

NOTE To prevent possible damages, please keep Micro SD card slot closed at all times whether Micro SD card is inserted or not.

■ REMOVING THE MICRO SD CARD
To remove the micro SD card, use the following steps:

❶ Open the micro SD card slot. Use your thumb to press and release the micro SD card. It will pop-out to allow you to remove the card.
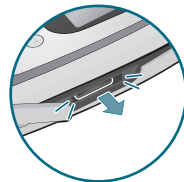
❷ Remove the card and close the micro SD card slot.

BASIC OPERATION **USING THE MICRO SD CARD**

- When you insert the Micro SD card, make sure contact terminals face down.
- File names storing each media in the Micro SD card are "my_pix" for pictures, "my_flix" for videos, "my_music" for musics, "my_sound" for sounds.
- Do not remove the Micro SD card while reading or writing files. Otherwise it could be damaged.

NOTE To make sure the proper function of removable memory, please use the Micro SD card of SanDisk.

HOW IS MUSIC TRANSFERRED?

	Transfer from PC to Handset via USB Cable	Transfer from PC to Handset via Memory card
MP3 Songs	Yes	Yes
WMA Songs (Music ripped from CDs, e.g. unprotected content)	Yes	Yes
WMA Songs (Purchased from a Windows Media Player 10 music store such as V CAST Music, e.g. protected content)	Yes	Song will not play on the phone

NOTE
- Music acquired from another online store as part of a subscription service or purchased in another format other than WMA/MP3 (e.g. AAC, AAC+) will not be recognized by V CAST Music devices.
- Only MP3 files with 192kbps or higher bitrate will be converted into WMA files.

CHAPTER 3
MEMORY FUNCTION
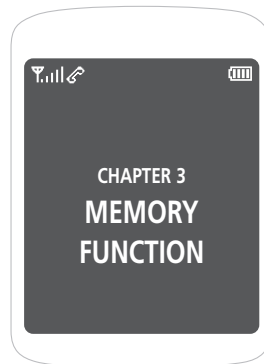
This chapter addresses memory functions including:

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

The phone book stores up to 500 entries.

❶ Enter phone # and press Left Soft Key 🔘 [SAVE].
Choose "Add New Contact" or "Update Existing" and
press 🆗 to Select.

❷ If "Add New Contact" is selected, the phone number
will appear above a list. Press the Navigation Key 🔘
up/down to choose the type of number you're adding,
as indicated by the icon. Press 🆗 to select.
If "Update Existing" is selected, your contact list is
displayed. Choose the entry to add the phone number
to, and then press 🆗 . You will see the phone
number updated in the existing list.
Press 🆗 to select.

❸ Enter a name.
Please refer to page 37 for more details on entering
letters, numbers & symbols. To change the input mode,
press Left Soft Key 🔘 [Abc]. Press the Navigation Key
🔘 down to select other options (Mobile1.2, E-mail1.2,
etc...). If entering a phone number, press Right Soft Key
🔘 [OPTIONS] to select one of the following options:

- Set Speed Dial
- Set As Default
- Add Pause

❹ To store the entry, press 🆗 [SAVE].
"CONTACT SAVED" or "CONTACT UPDATED" will be
displayed.

The input mode (Alpha editor) will automatically be activated when
necessary to enter letters and numbers. As shown below, there are
6 available modes ; Standard input mode (Abc)/(ABC), Input mode
(Word), Numeric mode (123), Symbol mode (Symbols) and Quick Text
mode (Quick Text). The input mode indicator appears on the upper
right of the display when letters and numbers are entered. To select
the desired input mode among the 6 modes below, press Left Soft
Key 🔘 [Abc], and then enter letters and numbers.

Input mode indicator
- **Word :** Input mode
- **Abc :** Abc mode
- **ABC :** ABC mode
- **123 :** Numeric mode
- **Symbols :** Symbol mode
- **Quick Text :** Quick Text mode

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

KEY	FUNCTION
⚫⚫	**Abc** - Press to change mode. [Word][Abc][ABC][123][Symbols][Quick Text]
☐ ⟳	**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.
✳☖	**Caps Lock** - Press to select a letter case of the standard text input or text input mode. [Abc], [ABC] and [abc] indicate the standard text input. [Word], [WORD] and [word] indicate the predictive text input.
CLR	**Clear** - Press to delete a character to the left of the cursor.
🆗	**Send** - Send the letters and numbers you enter.

■ STANDARD INPUT MODE
Use the digit keys to enter letters, numbers and characters.

❶ Enter letters using the key pad as follows:

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

To change the input mode, press Left Soft Key ●● [Abc]. When entering special character such as . @ ? ! - , & : ' / 1, press 1 ● repeatedly.

❷ To enter a space, press #ↄ . The cursor will automatically move to the next column.

❸ Repeat until letters are entered. There is a 160-letter limit.

❹ To delete one digit, press CLR . To delete the entire entry, press and hold CLR .

❺ To change from lowercase to uppercase, press ✳☆+ .

(e.g.) **Select Abc mode by pressing Left Soft Key ●● [Abc].**
When you select this mode, the Abc icon appears as a visual confirmation.
- Find the key that corresponds to the letter you want to enter.
- Press it as many times as needed for the letter to appear on the screen.
- To enter the name "John":

Press [5 jkl]   J
Press [6 mno , 6 mno , 6 mno]   o
Press [4 ghi , 4 ghi]   h
Press [6 mno , 6 mno]   n

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

❶ Select the Word mode by pressing Left Soft Key ●● [Abc].

❷ Press a digit key once to enter the character you want and then enter all the characters to input the word you want.

❸ To view the next matching word, press 0 ↺ .

❹ To accept the matching word, enter a space and then press #ↄ .

To enter a compound word:
* Enter the first part of the word and then press the Navigation Key 🔘 right to accept it.
* Enter the last part of the word and then press 🔳 to enter the word.

To enter "Fun fare" in the input mode.
* After you enter the 1st letter, press Left Soft Key 🔳 [Abc] to select input mode and 🔳 to choose the lower case (Word).
* Press 🔳, 🔳, 🔳 and you will see "Fun" highlighted. Press 🔳 to select it.
* Press 🔳, 🔳, 🔳, 🔳 and until you see "ease" highlighted. Press 🔳 to select the next matching word, you will see "fare" and then enter a space.

■ NUMERIC MODE
Allows you to enter numbers.

❶ Press Left Soft Key 🔳 [Abc] and scroll down to "123" and press 🔳 to change to Numeric Mode.

❷ To enter a number, press a digit key.

■ SYMBOL MODE
Allows you to enter symbols.

❶ Press Left Soft Key 🔳 [Abc] and scroll down to "Symbols" and press 🔳 to change to Symbol Mode.

❷ Select symbol you want to enter with the Navigation Key 🔘.

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

Press the Navigation Key 🔘 up/down/left/right.

■ QUICK TEXT
Allows you to enter written sentences.

❶ Press Left Soft Key 🔳 [Abc] and scroll down to "Quick Text" and press 🔳 to change to Quick Text Mode.

❷ Select Quick Text you want to enter with the Navigation Key 🔘, press 🔳 [OK].

| MEMORY FUNCTION | MAKING A CALL THROUGH THE CONTACT LIST |

■ ONE-TOUCH/TWO-TOUCH DIALING

Ideal for frequently dialed numbers, this feature allows contact entries to be dialed via the keypad with only one or two key presses.

ONE-TOUCH DIALING:

1-9 : Press and hold the number you wish to connect for more than 1 second.

TWO-TOUCH DIALING:

10-22 : Press the first digit and second digits of the memory number short and long respectively.

97,98,99 : Pre-set numbers for Verizon Customer Service, and are free calls.

- 97 - #BAL: The billing balance will read for you or sent in a text message.
- 98 - #MIN: The minutes used will read for you or sent in a text message.
- 99 - #PMT: Pay a bill with a one-time payment or other payment options.

CHAPTER 4
MENU
FUNCTION

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

CONTACTS
RECENT CALLS
SETTINGS
VOICE TOOLS
TOOLS
MY ACCOUNT

Stores up to 500 entries, each of which can be assigned to a group. Entries can be retrieved by name or group.

■ NEW CONTACT
Adds a new entry.

❶ Press **OK** [MENU], then **1** for New Contact.

❷ To enter a name or number, use the Navigation Key ⬚ to select the contact field.

> • **PHONE BOOK FIELDS :** Name/Mobile 1/Home/Work/ E-mail 1/Group/Picture/Ringtone/ Mobile 2/Fax/E-mail 2.
> • Under "Mobile 1", "Mobile 2", "Home", "Work" or "Fax" input the phone number and then by pressing Right Soft Key **•••** [OPTIONS], you can choose from the following:
> **1. Set Speed Dial**
> **2. Set As Default**
> **3. Add Pause**

Please refer to page 37 for more details on entering letters, numbers & symbols.

❸ To save the entry, press **OK** [SAVE].

To return to the previous page, press **CLR** .

📖 • For each new contact, at least 1 phone number or email
NOTE address needs to be saved with the contact. "ADD AT LEAST ONE NUMBER OR E-MAIL ADDRESS" will be displayed if neither have been added.
• If the entry name is left empty and a phone number is provided, the entry will be saved and only the phone number will be displayed.

■ CONTACT LIST
Retrieves an entry by name and calls by simply pressing Right Soft Key **•••** . You can review all the entries stored in your contact list or quickly find an entry by entering a name or its character string.

❶ Press **OK** [MENU], then **2** for Contact List press Right Soft Key **•••** [CONTACTS].

❷ The list of names in your contacts is displayed alphabetically.

❸ Enter a name or its character string or scroll through the list with the Navigation Key ⬚ . Please refer to page 37 for more details on entering letters, numbers & symbols.

❹ To edit the entry, press Left Soft Key **••** [EDIT]. To show detail of the entry, press **OK** [VIEW].

> • To use and manage contacts, press Right Soft Key **•••** [OPTIONS] then select:
> **1. New Contact:** To add a New Contact.
> **2. Erase:** To delete a contact.
> **3. New TXT Message:** To create a TXT message.
> **4. New Picture Message:** To create a Picture message.
> **5. New Video Message:** To create a Video message.
> **6. Call:** To call the contact.
> **7. Erase All:** To delete all contact list.
> • To set as emergency number, select "In Case of Emergency". Please refer to page 50 for more details on "In Case of Emergency".

❺ To call the selected number, press Right Soft Key **•••** [OPTIONS] and then select "Call" or press **SEND** .

■ GROUPS

Groups allows you to classify phone entries into groups with up to 10 numbers in each group. The existing groups include Family and Work and they cannot be erased or renamed. You can add up to 28 more groups which can be changed or erased.

ADD NEW GROUP

❶ Press ☐K [MENU], then ❸ def for Groups.

❷ To select "New", press Left Soft Key •• [NEW].

❸ Input a new group name.

❹ To save it, press ☐K [SAVE].

ASSIGN PHONE NUMBER TO GROUP

❶ Press ☐K [MENU], then ❸ def for Groups.

❷ To assign phone numbers to a Group, select "Add", press Right Soft Key ••• [OPTIONS].

❸ Select a location and then press ☐K [MARK]. Your contact entries will be displayed in alphabetical order.

❹ Select the contact for the group and then press Left Soft Key •• [DONE]. "CONTACT ADDED TO [GROUP NAME]" will be displayed. Repeat for each location for the Group.

CHANGE GROUP NAME

❶ Press ☐K [MENU], then ❸ def for Groups.

❷ Use the Navigation Key ◎ to select the existing group name that you want to change.

❸ To select "Rename", press Right Soft Key ••• [OPTIONS].

❹ Input a new group name.

❺ To save it, press ☐K [SAVE].

SEND TXT MESSAGE TO A GROUP

❶ Press ☐K [MENU], then ❸ def for Groups.

❷ Select an existing group name with the Navigation Key ◎ .

❸ To select "New TXT Message", press Right Soft Key ••• [OPTIONS].

❹ Input a "Text", press Right Soft Key ••• [OPTIONS] to select "Save As Draft", "Add Graphic", "Add Sound", "Font Size", "Add Name Card", "Add Quick Text", "Priority Level" and "Cancel Message".

❺ To send the TXT message, press ☐K [SEND].

To save the TXT message, press Right Soft Key ••• [OPTIONS] and then select "Save As Draft" and then press ☐K .

SEND PICTURE MESSAGE TO A GROUP

❶ Press ▢K [MENU], then ⊒ def for Groups.

❷ Select an existing group name with the Navigation Key ▢ .

❸ To select "New Picture Message", press Right Soft Key ••• [OPTIONS].

❹ Input a "Text", "Picture", "Sound", "Subject", "Name Card", and then press Right Soft Key ••• [OPTIONS] to select "Preview", "Save As Draft", "Add Quick Text", "Add Slide", "Priority Level", "Remove Picture", "Remove Sound" or "Cancel Message".

❺ To send the picture message, press ▢K [SEND].
To save the picture message, press Right Soft Key ••• [OPTIONS] and then select "Save As Draft" and then press ▢K .

SEND VIDEO MESSAGE TO A GROUP

❶ Press ▢K [MENU], then ⊒ def for Groups.

❷ Select an existing group name with the Navigation Key ▢ .

❸ To select "New Video Message", press Right Soft Key ••• [OPTIONS].

❹ Input a "Text", "Video", "Subject", "Name Card", and then press Right Soft Key ••• [OPTIONS] to select "Preview", "Save As Draft", "Add Quick Text", "Priority Level", "Remove Video" or "Cancel Message".

❺ To send the video message, press ▢K [SEND].
To save the video message, press Right Soft Key ••• [OPTIONS] and then select "Save As Draft" and then press ▢K .

ERASE GROUP

❶ Press ▢K [MENU], then ⊒ def for Groups.

❷ Select an existing group name with the Navigation Key ▢ .

❸ To select "Erase", press Right Soft Key ••• [OPTIONS].

❹ Select "Yes" to erase it, press ▢K .

📖 NOTE When using Erase Group, the saved entries are moved to the "No Group".

■ SPEED DIALS

In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the location number on the key pad. For a 2-digit location number, press the first number and then press and hold the second number.

❶ Press ▢◀ [MENU], then 4 ghi for Speed Dials.

❷ To assign a phone number to a location, select the location and then press ▢◀ [SET].

❸ Select the contact with the Navigation Key ▢ then press ▢◀ .

❹ Select the phone number with the Navigation Key ▢ then press ▢◀ .

📖
NOTE
• "Unassigned" appears if the location is available.
• To call an assigned number, press & hold the last digit of the speed dial #.

❺ Select "Yes", then press ▢◀ . "SPEED DIAL SET" will be displayed.

■ IN CASE OF EMERGENCY

Your phone has a special menu to organize your emergency contacts and information.

❶ Press ▢◀ [MENU], then 5 jkl for In Case of Emergency.

❷ Select one of the entries using the Navigation Key ▢ . To set a new emergency number, choose Contact 1, 2 or 3. Press ▢◀ [ADD].

❸ Select "From Contacts" or "Enter Number" with the Navigation Key ▢ . Press ▢◀ .

1. From Contacts: Search for a phone number which is stored in the contacts list.
2. Enter Number: To store the new emergency phone number in contacts.

❹ Press ▢◀ to save it.

❺ You can use this area to add personal note, including allergies, medications, and other health information's. If you want to add emergency personal info, select "Personal Info". Press ▢◀ [VIEW]. Choose Note 1, 2 or 3, press ▢◀ [ADD]. Enter a special note that would prove useful in case of emergency, press ▢◀ [SAVE] to save it.

■ MY NAME CARD

Create your own business card, so that you can send all your details upon request by TXT message, picture&video message, by E-mail, by Bluetooth or etc...

❶ Press ▢◀ [MENU], then 6 mno for My Name Card.

❷ The list of my name card in your phone book is displayed. To edit it, press Left Soft Key ●● [EDIT], edit a my name card, then press ▢◀ [SAVE] to save it.

❸ Select my name card with the Navigation Key, press ▢◀ [SEND] to send a my name card.

❹ To move a New Message menu.

📖
NOTE
Please refer to page 130, for more details on "New Message".

■ MISSED
Displays information about the 90 most recently missed calls.
Place a call to a missed call number by simply pressing SEND .

❶ To see a list of the 90 most recently missed calls,
press OK [MENU], then press the Navigation Key
right once for the "Recent Calls" menu.
Press 1 for Missed.
If the number is already stored in your contacts, only
the name appears. If the number is not stored, only
the phone number appears.

❷ To view missed call details, press OK [OPEN].

NOTE   Call details include date, time and phone number.

❸ Press Right Soft Key [OPTIONS] and then select
"Save" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** If the selected entry is already stored in the
  contacts list, view the caller's information.
- **Erase:** To erase a missed calls listing.
- **Lock/Unlock:** To lock or unlock a missed calls listing.
- **Erase All:** To erase all missed calls listings.
- **View Timers:** To display usage time.

NOTE
- After 90 missed calls, the oldest call will automatically be
  erased from the history.
- Press Left Soft Key [MESSAGE], to send a TXT, Picture
  or Video Message.

■ RECEIVED
Displays information about the 90 most recently received calls.
Place a call to a received call by simply pressing SEND .

❶ To see a list of the 90 most recently received calls,
press OK [MENU], then press the Navigation Key
right once for the "Recent Calls" menu.
Press 2 abc for Received.
If the number is already stored in your contacts, only
the name appears. If the number is not stored, only
the phone number appears.

❷ To view received call details, press OK [OPEN].

NOTE   Call details include date, time and phone number.

❸ Press Right Soft Key [OPTIONS] and then select
"Save" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** If the selected entry is already stored in the
  contacts list, view the caller's information.
- **Erase:** To erase a received calls listing.
- **Lock/Unlock:** To lock or unlock received calls listing.
- **Erase All:** To erase all received calls listings.
- **View Timers:** To display usage time.

NOTE
- After 90 received calls, the oldest call will automatically
  be erased from the history.
- Press Left Soft Key [MESSAGE], to send a TXT, Picture
  or Video Message.

■ DIALED
Displays information about the 90 most recently dialed numbers.
Place a call to a dialed call by simply pressing **SEND** .

❶ To see a list of the 90 most recently dialed numbers,
press **OK** [MENU], then press the Navigation Key
right once for the "Recent Calls" menu.
Press **3 def** for Dialed.
If the number is already stored in your contacts, only
the name appears. If the number is not stored, only
the phone number appears.

❷ To view dialed call details, press **OK** [OPEN].

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

❸ Press Right Soft Key **•••** [OPTIONS] and then select
"Save" to save it or select "Erase" to delete it.

• **Save:** To store the phone number in your phone book.
• **Details:** If the selected entry is already stored in the
contacts list, view the caller's information.
• **Erase:** To erase a dialed calls listing.
• **Lock/Unlock:** To lock or unlock dialed calls listing.
• **Erase All:** To erase all dialed calls listings.
• **View Timers:** To display usage time.

NOTE • After 90 dialed calls, the oldest call will automatically be
erased from the history.
• Press Left Soft Key **••** [MESSAGE], to send a TXT, Picture
or Video Message.

■ BLOCKED
This menu appears only when "Incoming Call Restriction" is set.
Displays information about the 90 most Incoming Call numbers.
Place a call to a blocked call.

❶ To see a list of the 90 most recently blocked numbers,
press **OK** [MENU], then press the Navigation Key
right once for the "Recent Calls" menu.
Press **4 ghi** for Blocked and then enter your restriction
code, press **OK** .
If the number is already stored in your contacts, only
the name appears. If the number is not stored, only
the phone number appears.

❷ To view dialed call details, press **OK** [OPEN].

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

❸ Press Right Soft Key **•••** [OPTIONS] and then select
"Save" to save it or select "Erase" to delete it.

• **Save:** To store the phone number in your phone book.
• **Details:** If the selected entry is already stored in the
contacts list, view the caller's information.
• **Erase:** To erase a blocked calls listing.
• **Lock/Unlock:** To lock or unlock blocked calls listing.
• **Erase All:** To erase all blocked calls listings.
• **View Timers:** To display usage time.

NOTE • After 90 blocked calls, the oldest call will automatically
be erased from the history.
• Press Left Soft Key **••** [MESSAGE], to send a TXT, Picture
or Video Message.
• Please refer to page 80 for more details on "Restrictions".

■ ALL

Displays information about the most recent received, dialed and missed calls.

❶ To see a list of the 270 most recent received, dialed and missed calls, press **OK** [MENU], then press the Navigation Key 🔘 right once for the "Recent Calls" menu. Press **5** for All.
If the number is already stored in your contacts, only the name appears. If the number is not stored, only the phone number appears.

> **NOTE**
> • If Incoming Call Restriction has not been set, press **4** instead of **5** .
> • Please refer to page 80 for more details on "Restrictions".

❷ To view details, press **OK** [OPEN].

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

❸ Press Right Soft Key **•••** [OPTIONS] and then select "Save" to save it or select "Erase" to delete it.

> • **Save:** To store the phone number in your phone book.
> • **Details:** If the selected entry is already stored in the contacts list, view the caller's information.
> • **Erase:** To erase a recent calls listing.
> • **Lock/Unlock:** To lock or unlock recent calls listing.
> • **Erase All:** To erase all recent calls listings.
> • **View Timers:** To display usage time.

> **NOTE**
> • After the 270 received, dialed or missed calls, the oldest call will automatically be erased from the history.
> • Press Left Soft Key **••** [MESSAGE], to send a TXT, Picture or Video Message.

■ VIEW TIMERS

Checks the usage time and manages your calls within the limit you set. The 11 timers include (Last Call, All Calls, Received Calls, Dialed Calls, Roaming Calls, Transmit KB, Received KB, Total KB, Last Reset, Lifetime Calls, Lifetime Data Counter):

❶ Press **OK** [MENU], then press the Navigation Key 🔘 right once for the "Recent Calls" menu.
Press **6** for View Timers.

> **NOTE**
> • If Incoming Call Restriction has not been set, press **5** instead of **6** .
> • Please refer to page 80 for more details on "Restrictions".

❷ Select "Last Call", "All Calls", "Received Calls", "Dialed Calls", "Roaming Calls", "Transmit KB", "Received KB", "Total KB" with the Navigation Key 🔘 .

To reset an individual, press Left Soft Key **••** [RESET], select "Yes," then press **OK** .

To reset all timer, press Right Soft Key **•••** [RESET ALL], then select "Yes", press **OK** .

❸ To return to the previous page, press **OK** .

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

■ BLUETOOTH

Bluetooth technology connectivity enables wireless connections between electronic devices. If connected with a Bluetooth Handsfree device, you can use your phone more freely. With DUN, you can also use the phone as a wireless modem. It can also be used to connect wirelessly to products that use Bluetooth wireless technology, such as computers. You can synchronize your phone and your PC using Bluetooth connectivity. Since devices with Bluetooth connectivity communicate using radio waves, your phone and the other device do not need to be in direct line-of-sight. The two devices only need to be within 10 meters (30 feet) of each other. The connection can be subject to interference from obstructions such as walls or other electronic devices. This device is compliant with Bluetooth specification 1.1, supporting the following profiles: HSP V1.1 (headset profile), HFP V1.0 (handsfree car kit profile), DUN V1.1 (dial-upnetworking), GAP (general access profile) and SPP V1.1 (serial port profile). To ensure interoperability between other devices supporting Bluetooth technology, use UTStarcom approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this phone. There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or Verizon. If you want more information on this function, visit the Bluetooth Technology organization Web site: https://www.bluetooth.org/.

To access the Bluetooth menu, press 🔲 [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press ⊟ def for Bluetooth Menu. And from the following options:

Add New Device—To set up a pairing between your phone and another device with Bluetooth technology. With Bluetooth activated, place the device you are connecting to in discoverable mode and select OK.

Set Off or Set On—To activate or deactivate Bluetooth connectivity. An active Bluetooth connection is indicated by 🚷 at the top of the display.

Options—To define how your phone is shown to other devices with Bluetooth connectivity. To change the name of your phone that is seen by other users, select My Phone Name, enter the new name, and select OK. To display your phone to other devices for one minute or to hide your phone from other users, select Discovery Mode > On or Off.

> Important: Features using Bluetooth technology, or allowing
> NOTE such features to run in the background while using other
> features, increase the demand on battery power and reduce
> the battery life.

Bluetooth pairing from phone to PC

Bluetooth pairing between your phone and PC or laptop is initialized from your phone or from your PC or laptop. To connect from your phone, do the following:

❶ To enable Bluetooth on your phone, press 🔲 [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press ⊟ def for Bluetooth Menu. To select On, press the left soft key. The Bluetooth icon 🚷 is displayed in the upper right corner of the main display left the battery icon when Bluetooth is enabled.

❷ To pair your phone to your PC or laptop, select Add New Device. Place the PC you are connecting to in discoverable mode and select OK. The phone searches for Bluetooth devices in range and lists all devices found.

❸ Scroll to your PC or laptop name in the list and select OK. Enter your password on your phone, then enter the same password on your PC or laptop.

❹ Select Ask always or Always connect on your phone, and select OK. The message Port enabled is displayed on the phone confirming the pairing.

Bluetooth pairing from PC to phone
To initialize a Bluetooth connection from your PC or laptop to your phone, do the following:

❶ To enable Bluetooth on your phone, press ▣K [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press ▣ ᵈᵉᶠ for Bluetooth Menu. To select On, press the left soft key. The Bluetooth icon 🔧 is displayed in the upper right corner of the main display left the battery icon when Bluetooth is enabled.

❷ In the Bluetooth menu, select Options with the right softkey.

❸ Scroll to Discovery Mode and select OK.

❹ Scroll to On and select OK. Your phone is in discoverable mode by other Bluetooth devices for one minute.

❺ Press the End key once, or the Clear key twice to return to the standby mode.

📖 The phone must be in the standby mode to pair with
NOTE another device.

❻ From your PC, search for Bluetooth devices. A list of devices shows the CDM-8960 or the name you selected for your phone.

❼ Select your phone from the list of found devices and enter the password.

❽ Your phone displays a message asking to pair with your PC or laptop. Select OK and enter the same password entered on your PC.

❾ Select Ask always or Always connect on your phone, and select OK. The message Port enabled is displayed on the phone confirming the pairing. All services such as Dial up Networking (DUN) are available on the phone.

❿ Available services are also listed on your PC or laptop. Select services you want to use with your phone.

📖 If your phone is connected to a laptop or PC using
NOTE Bluetooth, you cannot use the USB cable.
To use the USB cable, go to the Bluetooth menu, select the laptop or PC connected to your phone and then disable the port using the applicable softkey.

Unpairing a Bluetooth connection
To successfully unpair a Bluetooth connection, you must unpair both the phone and the PC or laptop. To unpair the connection, do the following:

❶ To unpair the connection from the phone, scroll to the name of the PC and select OK. The message Port disabled is displayed on the phone confirming the unpairing.

❷ Follow the Bluetooth instructions on you PC or laptop, or the Bluetooth dongle instructions for unpairing the PC or laptop from the phone. A dongle is a small USB device added to a PC or laptop that does not have a built-in Bluetooth connection. PC, laptop, and dongle products have website support for Bluetooth connectivity.

■ BLUETOOTH MENU

The CDM-8960 is compatible with devices that support the Bluetooth headset and hands-free profile(s)*. You may create and store 30 pairings within the CDM-8960 and connect to one device at a time. The approximate communication range for Bluetooth wireless technology is up to 30 feet (10 meters).

> **NOTE**
> Read user guide of each Bluetooth accessory that you are trying to pair with your phone because the instructions may different.

BLUETOOTH ON/OFF

The Power feature allows you to turn the Bluetooth function on and off.

❶ Press ◻️ [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press ❸ def for Bluetooth Menu.

❷ Press Left Soft Key ●● [SET ON/SET OFF] to activate/ deactivate Bluetooth mode.

ADD NEW DEVICE

Pairing is the process that allows the handset to locate establish and register 1-to-1 connection with the target device.

❶ Press ◻️ [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press ❸ def for Bluetooth Menu.

❷ Select "1. Add New Device", then press ◻️ . If Bluetooth is set to off, "Turn Bluetooth power on?" will appear. Select "Yes" and press ◻️ .

By pressing Right Soft Key ●●● [OPTIONS], you can choose from the following:
  My Phone Name: Your phone's Bluetooth name will appear to other in-range Bluetooth devices, depending on your discovery mode. Enter a new name and press ◻️ to save and exit.
  Discovery Mode: Turns Discovery Mode "on" or "off." If Discovery Mode is turned on, other devices will be able to find your device for one minute.
  Supported Profiles: Displays the following list of options.
    1. Headset: Supports use of a compatible Bluetooth headset for mono voice.
    2. Handsfree: Supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities, such as car kits or a conference room device. For Handsfree Car Kit Compatibility, refer to www.verizonwireless.com/bluetoothchart on the Verizon Wireless Website.
    3. Dial Up Networking: Allows the phone to be used as a data modem with a compatible Bluetooth device, such as a laptop or PDA, over the VZW NationalAccess and/ or VZW BroadbandAccess systems."

❸ Instructions (Place device you are connecting to in discoverable mode) will be displayed. Highlight the device and press ◻️ .

❹ The handset will prompt you for the passkey. Consult the Bluetooth accessory instructions for the appropriate passkey (typically "0000" - 4 zeroes). Enter the passkey and press OK .

> **NOTE** The default PIN code may differ depending on Bluetooth devices. Please refer to the user guide of the Bluetooth device that you wish to use.

❺ Once pairing is successful, select "Yes" and press OK to connect with the device.

❻ Once paired, you will see the device listed in the "1. Add New Device" menu.

> **By pressing Right Soft Key [OPTIONS], you can choose from the following:**
> **Remove Device:** Removing a device from the paired list.
> **Rename Device:** Renaming the paired device.
> **Incoming Security:** To Select "Always Ask" or "Always Connect".
> **Device Info:** Reviewing information about the paired device.

■ SOUNDS SETTINGS

CALL SOUNDS
To select a ringer type for incoming calls:

CALL RINGTONE

① Press OK [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 1 for Call Sounds, and then 1 for Call Ringtone.

② Select your desired ringer type.

> • **Up or Down key:** 1. Get New Ringtones or select your desired ringer type.
> • Press Left Soft Key [PLAY/STOP] to play/stop sound.

③ Select one of the available ring types. To confirm, press OK .

CALL VIBRATE

① Press OK [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 1 for Call Sounds, and then 2 abc for Call Vibrate.

② Select "On" or "Off" with the Navigation Key ⊙ and then press OK to save it.

ALERT SOUNDS
When selected, this setting alerts you to the following handset changes:

TXT MESSAGE

① Press [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press for Sound Settings, then for Alert Sounds, and then for TXT Message.

② Select "Tone", "Vibrate" or "Reminder" with the Navigation Key and then select one of the following options by pressing the Navigation Key .

- **Tone:** 1. Get New Ringtones or select your desired ringer type.
- **Vibrate:** Select "On" or "Off".
- **Reminder:** Select "Once", "Every 2 Minutes", "Every 15 Minutes" or "Off".

③ To save, press .

PIC-VIDEO MESSAGE

① Press [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press for Sound Settings, then for Alert Sounds, and then for Pic-Video Message.

② Select "Tone", "Vibrate" or "Reminder" with the Navigation Key and then select one of the following options by pressing the Navigation Key .

- **Tone:** 1. Get New Ringtones or select your desired ringer type.
- **Vibrate:** Select "On" or "Off".
- **Reminder:** Select "Once", "Every 2 Minutes", "Every 15 Minutes" or "Off".

③ To save, press .

VOICEMAIL

① Press [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press for Sound Settings, then for Alert Sounds, and then for Voicemail.

② Select "Tone", "Vibrate" or "Reminder" with the and then select one of the following options by pressing the .

- **Tone:** 1. Get New Ringtones or select your desired ringer type.
- **Vibrate:** Select "On" or "Off".
- **Reminder:** Select "Once", "Every 2 Minutes", "Every 15 Minutes" or "Off".

③ To save, press .

KEYPAD VOLUME
To adjust key pad tone:

❶ Press [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press for Sound Settings, then for Keypad Volume.

❷ Select one of the following options by pressing the Navigation Key up/down.

- Low ~ High
- Off

❸ To save, press .

SERVICE ALERTS

ERI (Enhanced Roaming Indicator)
The Enhanced Roaming Indicator (ERI) feature displays a text banner on the display screen informing the handset user of which systems the wireless device is using as compared to the service plan they purchased. The ERI Banner text changes to tell a customer if they are using the: "Verizon Network", "Extended Network" or "Roaming".

① Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 4 ghi for Service Alerts, and then 1 for ERI.

② Select "On" or "Off" with the Navigation Key 🔘 and then press ☐K to save it.

MINUTE BEEP
Sounds an alert every minute during a call.

① Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 4 ghi for Service Alerts, and then 2 abc for Minute Beep.

② Select "On" or "Off" with the Navigation Key 🔘 and then press ☐K to save it.

CALL CONNECT
Notifies you that a call has been successfully placed.

① Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 4 ghi for Service Alerts, and then 3 def for Call Connect.

② Select "On" or "Off" with the Navigation Key 🔘 and then press ☐K to save it.

POWER ON/OFF

POWER ON
Allows you to activate/deactivate the power on tones.

① Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 5 jkl for Power On/Off, and then 1 for Power On.

② Select "On" or "Off" with the Navigation Key 🔘 and then press ☐K to save it.

POWER OFF
Allows you to activate/deactivate the power off tones.

① Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 4 ghi for Sound Settings, then 5 jkl for Power On/Off, and then 2 abc for Power Off.

② Select "On" or "Off" with the Navigation Key 🔘 and then press ☐K to save it.

■ DISPLAY SETTINGS
Allows you to customize the display.

BANNER
You can choose to display a personal Banner greeting or the Enhanced Roaming Indicator (ERI) banner on the phone's screens:

PERSONAL BANNER
The text greeting can be up to 16 characters and is displayed on your phone's screen in standby mode.

① Press ▣ [MENU], then press the Navigation Key ▣ right 2 times for the "Settings & Tools" menu. Press �45 for Display Settings, then ▮▯ for Banner, and then ▮▯ for Personal Banner.

② Enter a new personal greeting. To change the input mode, press Left Soft Key ▣ [Abc].

③ Press ▣ to save it.

ERI BANNER
① Press ▣ [MENU], then press the Navigation Key ▣ right 2 times for the "Settings & Tools" menu. Press ▲5 for Display Settings, then ▮▯ for Banner, and then ▮2▯ for ERI Banner.

② Select "On" or "Off" with the Navigation Key ▣ and then press ▣ to save it.

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

DISPLAY
① Press ▣ [MENU], then press the Navigation Key ▣ right 2 times for the "Settings & Tools" menu. Press ▲5 for Display Settings, then ▮2▯ for Backlight, and then ▮▯ for Display.

② Select one of the following options with the Navigation Key ▣ .

> 7 Seconds, 15 Seconds, 30 Seconds, Always On, Always Off.

③ Press ▣ to save it.

KEYPAD
① Press ▣ [MENU], then press the Navigation Key ▣ right 2 times for the "Settings & Tools" menu. Press ▲5 for Display Settings, then ▮2▯ for Backlight, and then ▮2▯ for Keypad.

② Select one of the following options with the Navigation Key ▣ .

> 7 Seconds, 15 Seconds, 30 Seconds, Always On, Always Off.

③ Press ▣ to save it.

WALLPAPER

MAIN SCREEN

① Press □K [MENU], then press the Navigation Key ⦿ right 2 times for the "Settings & Tools" menu. Press 5 jkl for Display Settings, then 3 def for Wallpaper, and then 1 @ for Main Screen.

② Select "My Pictures" or "My Videos" with the Navigation Key ⦿ .

③ Select Default to choose a pre-installed display, Downloads, Pic # or Video # to choose a display you have downloaded to your phone. To launch "Get It Now", press Right Soft Key ••• [GET NEW]. To expand selected image or play video, press Left Soft Key •• [VIEW/PLAY].

④ Select a display from the Animation and the Graphic list using the Navigation Key ⦿ and then press □K to save it.

FRONT SCREEN

① Press □K [MENU], then press the Navigation Key ⦿ right 2 times for the "Settings & Tools" menu. Press 5 jkl for Display Settings, then 3 def for Wallpaper, and then 2 abc for Front Screen.

② Select Default to choose a pre-installed display, Downloads, Pic # to choose a display you have downloaded to your phone.
To launch "Get It Now", press Right Soft Key •••
[GET NEW]. To expand selected image, press Left Soft Key •• [VIEW].

③ Select a display from the Graphic list using the Navigation Key ⦿ and then press □K to save it.

DISPLAY THEMES

❶ Press □K [MENU], then press the Navigation Key ⦿ right 2 times for the "Settings & Tools" menu. Press 5 jkl for Display Settings, then 4 ghi for Display Themes.

❷ Select one of the following options with the Navigation Key ⦿ .

- **Default**
- **Youth**

❸ Press □K to save it.

DIAL FONTS

❶ Press □K [MENU], then press the Navigation Key ⦿ right 2 times for the "Settings & Tools" menu. Press 5 jkl for Display Settings, then 5 jkl for Dial Fonts.

❷ Select "Normal" or "Large" with the Navigation Key ⦿ .

❸ Press □K to save it.

CLOCK FORMAT

MAIN CLOCK
To change the main clock's appearance on the standby screen:

① Press **OK** [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press **5** for Display Settings, then **6** for Clock Format, and then **1** for Main Clock.

② Select one of the following with the Navigation key .

- **Digital**
- **Analog**
- **Off**

③ To save, press **OK** .

FRONT CLOCK
To change the main clock's appearance on the standby screen:

① Press **OK** [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press **5** for Display Settings, then **6** for Clock Format, and then **2** for Front Clock.

② Select one of the following with the Navigation Key .

- **Digital**
- **Analog**
- **Minimize**
- **Off**

③ To save, press **OK** .

■ PHONE SETTINGS

STANDALONE MODE
Standalone Mode allows you to turn off the phone's radio functions where they are restricted.

❶ Press **OK** [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press **6** for Phone Settings, then **1** for Stanalone mode.

❷ Select "On" or "Off" with the Navigation Key and then press **OK** to save it.

📖
NOTE
In Standalone Mode, all menu functions can be accessed except making calls, receiving calls, data connection (Wap, Brew) and Bluetooth.

SET SHORTCUT KEYS
Your phone offers you the option of assigning a shortcut key ( ) to a favorite or often-used function. To assign a shortcut to the key:

❶ Press **OK** [MENU], then press the Navigation Key right 2 times for the "Settings & Tools" menu. Press **6** for Phone Settings, then **2** for Set Shortcut Keys.

❷ Select **1** for Left Key, **2** for Up Key, **3** for Right Key or **4** for Down Key.

❸ Select one of the following options with the Navigation Key , press **OK** to save it.

Get It Now/Bluetooth Menu/Calendar/Inbox/Settings & Tools/
My Pictures/My Videos/My Music/Picture & Video/News &
Info/My Ringtones/My Sounds/Games/Music & Tones/E-mail/
Chat/Mobile IM/Alarm Clock/Calculator.

④ To reset the shortcut keys, press **5 ʲᵏˡ** for Reset All,
select "Yes", then press **OK** .

VOICE COMMANDS
You can use voice commands to control your device.

MODE
① Press **OK** [MENU], then press the Navigation Key
🔘 right 2 times for the "Settings & Tools" menu.
Press **6 ᵐⁿᵒ** for Phone Settings, then **3 ᵈᵉᶠ** for Voice
Commands, and then **1 ⁎** for Mode.

② Select one of the following with the Navigation Key
🔘 .

> • **Prompt Mode:** If AVR key is pressed on the idle screen
>   or in the Contact menu, voice call alert
>   will be announced.
> • **Readout Mode:** If AVR key is pressed on the idle screen
>   or in the Contact menu, voice call alert
>   will be announced, or in the Menu,
>   Notice and Confirm window, the phone
>   will readout main menu and
>   information.
> • **Tones Only Mode:** You can hear ringtone instead of
>   voice call alert if AVR key is pressed
>   on the idle screen or in the Contact
>   menu.

③ To save, press **OK** .

📓 If you change the setting details in the phone's mode in
NOTE Voice Commands, this will affect the mode in Sound (refer
to page 98) or vice versa.

CALL ALERT
① Press **OK** [MENU], then press the Navigation Key
🔘 right 2 times for the "Settings & Tools" menu.
Press **6 ᵐⁿᵒ** for Phone Settings, then **3 ᵈᵉᶠ** for Voice
Commands, and then **2 ᵃᵇᶜ** for Call Alert.

② Select one of the following with the Navigation Key
🔘 .

> • **Ring Only:** Deactivate Voice Call Alert. You can hear
>   ringtone only.
> • **Caller ID + Ring:** Playback the Voice Call Alert only once
>   and then you will hear ringtone.
> • **Name Repeat:** Activate Voice Call Alert. You will hear
>   the caller's details repeatedly.

③ To save, press **OK** .

📓 For more information about the enhanced voice commands
NOTE supported by your device, see "Voice Tools". Please refer to
page 90 for more details.

LANGUAGE
Selects the language in which letters are displayed on the screen.

❶ Press ▣◪ [MENU], then press the Navigation Key 🔲 right 2 times for the "Settings & Tools" menu. Press 6 ᵐⁿᵒ for Phone Settings, then 4 ᵍʰⁱ for Language.

❷ Select "English" or "Español" with the Navigation Key 🔲 .

❸ Press ▣◪ to save it.

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

❶ Press ▣◪ [MENU], then press the Navigation Key 🔲 right 2 times for the "Settings & Tools" menu. Press 6 ᵐⁿᵒ for Phone Settings, then 5 ʲᵏˡ for Location.

❷ Select "Location On" or "E911 Only" with the Navigation Key 🔲 .

- **Location On:** Your location is now available to the network.
- **E911 Only:** Your location will be hidden from network & application except 911.

❸ Press ▣◪ to save it.

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

📖 **NOTE**
After three consecutive incorrect Lock Code entries, "INCORRECT LOCK CODE. PLEASE REFER TO THE USER GUIDE", and the Lock Code is blocked. If you forget any of these codes, contact your service provider.

EDIT CODES
Changes your Device/Location 4-digit password.

PHONE ONLY
Changes your Phone's 4-digit password.

① Press ▣◪ [MENU], then press the Navigation Key 🔲 right 2 times for the "Settings & Tools" menu. Press 6 ᵐⁿᵒ for Phone Settings, then 6 ᵐⁿᵒ for Security, and then enter your password, press ▣◪ .

② Select 1 ⓐ for Edit Codes, then 1 ⓐ for Phone Only.

③ Enter a "New Code" then press ▣◪ .

CALLS & SERVICES
Changes your Calls & Service's 4-digit password.

① Press ☐K [MENU], then press the Navigation Key ⓞ right 2 times for the "Settings & Tools" menu. Press 5 ᵐⁿᵒ for Phone Settings, then 5 ᵐⁿᵒ for Security, and then enter your password, press ☐K .

② Select 1 ⚟ for Edit Codes, then 2 ᵃᵇᶜ for Calls & Services.

③ Enter a "Current Code" then press ☐K .

④ Enter a "New Code" then press ☐K to save it.

RESTRICTIONS
You can restrict the use of your phone for outgoing calls, incoming calls, outgoing message, incoming message and dial-up modem.

① Press ☐K [MENU], then press the Navigation Key ⓞ right 2 times for the "Settings & Tools" menu. Press 5 ᵐⁿᵒ for Phone Settings, then 5 ᵐⁿᵒ for Security, and then enter your password, press ☐K .

② Select 2 ᵃᵇᶜ for Restrictions, enter your password, then press ☐K .

③ Select 1 ⚟ for Location Setting, 2 ᵃᵇᶜ for Calls, 3 ᵈᵉᶠ for Messages or 4 ᵍʰⁱ for Dial-Up Modem.

1. Location Setting: To select "Unlock Setting" or "Lock Setting" with the Navigation Key ⓞ .

2. Calls: To select "Incoming Calls" or "Outgoing Calls" and then select "Allow All", "Contact Only" or "Block All" with the Navigation Key ⓞ .

3. Messages: To select "Incoming Messages" or "Outgoing Messages" and then select "Allow All" or "Block All" with the Navigation Key ⓞ .

4. Dial-Up Modem: To select "Allow" or "Block" with the Navigation Key ⓞ .

④ Press ☐K to save it.

PHONE LOCK SETTING
Prevents the phone from being used without entering the password first.

① Press ☐K [MENU], then press the Navigation Key ⓞ right 2 times for the "Settings & Tools" menu. Press 5 ᵐⁿᵒ for Phone Settings, then 5 ᵐⁿᵒ for Security, and then enter your password, press ☐K .

② Select 3 ᵈᵉᶠ for Phone Lock Setting.

③ Select "Unlocked" or "On Power Up" with the Navigation Key ⓞ .

- **Unlocked:** Do not lock the phone.
- **On Power Up:** Not locked, but it is automatically locked when power is recycled.

④ Press ☐K to save it.

LOCK PHONE NOW
Lock the phone now.

① Press **OK** [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press **6 mno** for Phone Settings, then **6 mno** for Security, and then enter your password, press **OK** .

② Select **4 ghi** for Lock Phone Now.

③ Lock the phone now.

SYSTEM SELECT
Selects the Preferred System.

❶ Press **OK** [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press **6 mno** for Phone Settings, then **7 pqrs** for System Select.

❷ Select one of the following options with the Navigation Key ⊙ .

- **Automatic B**
- **Automatic A**
- **Home Only**

❸ Press **OK** to save it.

NAM SELECT
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 **OK** [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press **6 mno** for Phone Settings, then **8 tuv** for NAM Select, and then **1 ⌨** for Auto NAM.

② Select "On" or "Off" with the Navigation Key ⊙ and then press **OK** to save it.

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

① Press **OK** [MENU], then press the Navigation Key ⊙ right 2 times for the "Settings & Tools" menu. Press **6 mno** for Phone Settings, then **8 tuv** for NAM Select, and then **2 abc** for Change NAM.

② Select one of the following options with the Navigation Key ⊙ .

- **NAM 1 - VERIZON**
- **NAM 2 - VERIZON**

③ Press **OK** to save it.

■ CALL SETTINGS

ANSWER OPTIONS
To select an answer mode:

❶ Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 1 for Answer options.

❷ Select with the Navigation Key 🔘 and then press ☐K [MARK/UNMARK].

- **Flip Open**
- **Any Key**
- **Send Only**
- **Auto w/ Hands-free**

❸ To save, press Left Soft Key •• [DONE].

📝 NOTE
- If "Auto w/ Hands-free" selected, when you closed the flip, automatic answer is disabled.
- The four functions can be used at the same time.

AUTO RETRY
Automatically redials after a set time interval.

❶ Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 2abc for Auto Retry.

❷ Select one of the following with the Navigation Key 🔘 .

- **Off**
- **Every 3 Seconds**
- **Every 5 Seconds**
- **Every 7 Seconds**
- **Every 10 Seconds**

❸ To save, press ☐K .

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.

❶ Press ☐K [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 3def for TTY Mode.

❷ Select one of the following with the Navigation key 🔘 .

- **TTY Full**
- **TTY + Talk**
- **TTY + Hear**
- **TTY Off**

❸ To save, press ☐K .

ONE TOUCH DIAL

❶ Press ▭K [MENU], then press the Navigation Key ▢ right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 4 ghi for One Touch Dial.

❷ Select "On" or "Off" with the Navigation key ▢ and then press ▭K to save it.

VOICE PRIVACY
Enhances voice privacy and avoids tapping during a call.

❶ Press ▭K [MENU], then press the Navigation Key ▢ right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 5 jkl for Voice Privacy.

❷ Select "On" or "Off" with the Navigation key ▢ and then press ▭K to save it.

> **On:** Makes it more difficult to wire tap.

DTMF TONES
To adjust tone length:

❶ Press ▭K [MENU], then press the Navigation Key ▢ right 2 times for the "Settings & Tools" menu. Press 7pqrs for Call Settings, then 6 mno for DTMF Tones.

❷ Select "Normal" or "Long" with the Navigation key ▢ and then press ▭K to save it.

■ MEMORY

SAVE OPTIONS
You can save various data including Picture, Video and Sound files on either the phone's memory or memory card.

❶ Press ▭K [MENU], then press the Navigation Key ▢ right 2 times for the "Settings & Tools" menu. Press 8 tuv for Memory, then 1 @ for Save Options.

❷ Select 1 @ for Pictures, 2 abc for Videos or 3 def for Sounds with the Navigation Key ▢ and then select one of the following options by pressing the Navigation Key ▢ .

> • **Phone Memory**
> • **Card Memory**

❸ To save, press ▭K .

PHONE MEMORY

❶ Press ▭K [MENU], then press the Navigation Key ▢ right 2 times for the "Settings & Tools" menu. Press 8 tuv for Memory, then 2 abc for Phone Memory.

❷ Select one of the following options by pressing the Navigation Key ▢ and then press ▭K .

> • **Phone Memory Usage**
> • **My Pictures**
> • **My Videos**
> • **My Music**
> • **My Sounds**

❸ The current options memory information appears at the display screen.
To return to the previous page, press **OK** .

CARD MEMORY

❶ Press **OK** [MENU], then press the Navigation Key 🔘
right 2 times for the "Settings & Tools" menu. Press
8 tuv for Memory, then **3 def** for Card Memory.

❷ Select one of the following options by pressing the
Navigation Key 🔘 .

   • **Card Memory Usage**
   • **My Pictures**
   • **My Videos**
   • **My Music**
   • **My Sounds**

❸ The current options memory information appears at
the display screen.
To return to the previous page, press **OK** .

■ PHONE INFO

MY NUMBER
Displays your phone number.

❶ Press **OK** [MENU], then press the Navigation Key 🔘
right 2 times for the "Settings & Tools" menu. Press
9 wxyz for Phone Info, then **1** for My Number.

❷ You will see the MDN/MIN and provider name.

❸ To return to the previous page, press **OK** .

SW VERSION
Displays the (Software/Hardware/PRL/ERI/Browser/Get It Now)
version.

❶ Press **OK** [MENU], then press the Navigation Key 🔘
right 2 times for the "Settings & Tools" menu. Press
9 wxyz for Phone Info, then **2 abc** for SW Version.

❷ The software, hardware and browser version appears.

❸ To return to the previous page, press **OK** .

ICON GLOSSARY
Displays the Indicator Icons of your cellular telephone.

❶ Press **OK** [MENU], then press the Navigation Key 🔘
right 2 times for the "Settings & Tools" menu. Press
9 wxyz for Phone Info, then **3 def** for Icon Glossary.

❷ A list of your phone indicator icons appear.

❸ To return to the previous page, press **OK** .

Your phone is equipped with an AVR (Advanced Voice Recognition) feature. This feature allows you to make calls or use the phone's functions by simply using your voice. All you have to do is talk into the phone, and the phone will recognize your voice and complete tasks by itself.

■ AVR (ADVANCED VOICE RECOGNITION)

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ The phone displays the Command menu and prompts you to say the name of the command you want to use. To complete your task, simply follow the voice prompts. You can speak the name of the command after you hear a beep.

📖 NOTE
You can hear a beep in the Tone Only Mode (Settings -> Sound -> Mode -> Tones Only Mode) while you can see a prompt without a beep sound in the Prompt Mode or Readout Mode.

- **Call <Name><Loc>**
- **Send <Msg Type>**
- **Lookup <Name>**
- **Play <Playlist>**
- **Go To <Menu>**
- **Check <Item>**
- **My Account**
- **Help Guide**

When it recognizes one of these commands, the phone launches the associated application. If the phone does not hear a command within approximately eight seconds, it de-activates voice recognition without taking any action.

■ VOICE COMMAND WITHIN CONTACT

The Voice Command function is available when pressing Side AVR Key ▯ in the Contact List and View Contact window.

❶ Press ▣ [MENU], then ➋ ᵃᵇᶜ for Contact List or press Right Soft Key ••• [CONTACTS].

❷ The list of names in your contacts is displayed alphabetically.

❸ Scroll through the list with the Navigation Key ◎ .

❹ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❺ The phone displays the Command menu and prompts you to say the name of the command you want to use.

- **Call**
- **Read Out**
- **New Contact**
- **Modify**
- **Erase**

📖 NOTE
- Voice Recognition for Call, Play, and Check commands can activate by AVR Side Long Press even without connection of Earjack and Bluetooth at Flip Close.
  For the menu which can not continue the action at Flip Close state such as Send MSG, Lookup etc, the pop-up screen will be displayed with "Flip Open to continue..". Spending several seconds after displaying the phrase, the device should return to the Idle state.

- Press Side AVR Key ▯ when hearing the voice guide and you can use voice commands immediately without waiting for the voice guide to end.

■ CALL <NAME><LOC>

Use the Call command to voice dial a name from your contact list or a phone number. When dialing a number, pronounce each digit, but do not pause noticeably between the digits. If you experience problems dialing by number, you can adapt digit dialing to your voice with Settings -> Digit Dialing -> Adapt Digits.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Call".

Examples: - Call Tom Smith, - Call 617 555-1212, - Call Bob Carson's mobile, - Call Dee Harper at Home.

■ SEND <MSG TYPE>

Use the Send command to send a text or other type of message to a specified name or number.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Send" followed immediately by one of the following items:

- Text
- Picture
- Video

Examples: - Send Picture to Dee Harper's Mobile, - Send Text Tom Smith, - Send Video to Tom Smith's Mobile.

■ LOOKUP <NAME>

Use the Lockup command to retrieve and display information for any name stored in your contact list.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Lookup <Name>".

Examples: - Lockup Tom Jones.

■ PLAY <PLAYLIST>

Use the Play command to playback a song from the playlist. Say "PLAY" and your phone will playback the selected playlist for you.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Play <Playlist>".

■ GO TO <MENU>

Use the Go To command to open an application on your phone. You can say "Go To" by itself and be prompted to say the application name, or you can skip the prompt by saying "Go To" followed by the application name.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Go To" followed immediately by one of the following items:

- **Contacts**
- **Recent Calls**
- **Messaging**
- **Get It Now**
- **Setting & Tools**
- **News & Info**
- **V CAST Videos**
- **My Music**

■ CHECK <ITEM>
The Check command lets you check status information for your phone. You can say "Check" or "Check Status" to see and hear all status information.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Check" followed immediately by one of the following items:

- **Status**
- **Voicemail**
- **Messages**
- **Missed Calls**
- **Time**
- **Battery**
- **Signal Strength**
- **Volume**

■ MY ACCOUNT

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "My Account".

❸ Connect "WAP Browser".

■ HELP GUIDE

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Say "Help Guide".

■ SETTINGS

CHOICE LISTS
When voice recognition is not confident it has recognized a name or number correctly, it will show you a list of up to three choices. You can control when choice lists appear.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Press Right Soft Key ••• [SETTINGS], then 1 ⚇ for Choice Lists.

❸ Select "Automatic", "Always On" or "Always Off".

❹ To save, press ☐K [OK].

SENSITIVITY

The Sensitivity setting controls how the voice recognition software determines when a spoken word is a match. If you frequently experience the messages "Please Repeat..." or "No Match Found," adjust the sensitivity toward Reject Less. If you frequently experience false activations (when the phone recognizes a name you didn't say), adjust the sensitivity toward Reject More.

❶ Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

❷ Press Right Soft Key ••• [SETTINGS], then ❷ abc for Sensitivity.

❸ Scroll "Reject More", "Recommended" or "Reject Less".

❹ To save, press ▢◂ [OK].

DIGIT DIALING

ADAPT DIGITS

Digit Dialing is speaker independent, which means that no training or adaptation is required. Some users with heavy accents or unusual voice characteristics may find difficulty in achieving high accuracy with speaker independent Digit Dialing, so the Adapt Digits feature allows users to dramatically improve the digit accuracy through adaptation. Users who get acceptable digit recognition accuracy will find no additional benefit to performing the Adapt Digit adaptation.

① Press Side AVR Key ▯ , your phone turns to Voice Recognition mode.

② Press Right Soft Key ••• [SETTINGS], then ❸ def for Digit Dialing.

③ Select ❶ for Adapt Digits, press ▢◂ [OK].

④ Wait for the beep, and then repeat the digits using a normal tone of voice. (The phone plays back your recording and asks you if the recording sounds "OK.")

⑤ If the recording sounds OK (no mistakes and no background noises), say Yes. If you need to re-record the digits to fix any problems, say No. (The phone then prompts you to say the digits again.)

⑥ Wait for the beep, and then record the digits again. (Repeat this step until you are satisfied with the recording.)

⑦ After confirming that the recording sounds OK, repeat the recording process with the next set of digits. (After six sets of digits, the phone will ask you whether you want to do more adaptation. Answer Yes.)

⑧ Repeat steps 4-7 for another nine sets of digits. (After the nine set of digits, you will be half-way through the session and the phone will ask "More Adaptation?")

⑨ Select OK to continue for six more sets of digits, or press ▱ END for partial adaptation. When you are finished with a full session, you will reach a screen that reads, "Adaptation Complete."

RESET\DIGITS
Reset digit adaptation to factory default settings.

① Press Side AVR Key 🔲 , your phone turns to Voice Recognition mode.

② Press Right Soft Key ••• [SETTINGS], then 3 def for Digit Dialing.

③ Select 2 abc for Reset Digits, press OK [OK].

④ Read "Reset digit adaptation to factory default settings?" and press OK [OK].

SOUND

MODE
The modes setting lets you control how you are notified by the system. In prompt mode, the system will prompt you for information. In readout mode, the system will prompt you for information and playback the menu items as you navigate. In tones only mode, the system will only prompt you with beeps.

① Press Side AVR Key 🔲 , your phone turns to Voice Recognition mode.

② Press Right Soft Key ••• [SETTINGS], then 4 ghi for Sound.

③ Select 1 for Mode, press OK [OK].

④ Select "Prompt Mode", "Readout Mode" or "Tones Only Mode".

⑤ To save, press OK [OK].

📖 **NOTE** If you change the setting details in the phone's mode in Sound, this will affect the mode in Voice Commands (refer to page 76) or vice versa.

NAME SETTINGS

SPEED
You can change the speed of name playback.

① Press Side AVR Key 🔲 , your phone turns to Voice Recognition mode.

② Press Right Soft Key ••• [SETTINGS], then 4 ghi for Sound.

③ Select 2 abc for Name Settings, then 1 for Speed, press OK [OK].

④ Scroll "Faster", "Recommended" or "Slower".

⑤ To save, press OK [OK].

VOLUME
You can change the volume of name playback.

① Press Side AVR Key 🔲 , your phone turns to Voice Recognition mode.

② Press Right Soft Key ••• [SETTINGS], then 4 ghi for Sound.

③ Select 2 abc for Name Settings, then 2 abc for Volume, press OK [OK].

④ Scroll "Louder", "Recommended" or "Softer".

⑤ To save, press ▣K [OK].

ABOUT

❶ Press Side AVR Key ⌐ , your phone turns to Voice Recognition mode.

❷ Press Right Soft Key ••• [SETTINGS], then 5 jkl for About.

❸ The VoiceSignal version appears.

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

■ INFO

❶ Press Side AVR Key ⌐ , your phone turns to Voice Recognition mode.

❷ Select the command menu with the Navigation Key ▣ up/down, press Left Soft Key •• [INFO].

❸ Command menu information's appears.

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

■ CALCULATOR
To access the calculator:

❶ Press ▣K [MENU], then press the Navigation Key ▣ right 2 times for the "Settings & Tools" menu. Press 2 abc for Tools, then 2 abc for Calculator.

❷ Follow the instructions below to calculate 8×6÷4-2.5=9.50

> Input 8 and then press the Navigation Key ▣ right.
> Input 6 and then press the Navigation Key ▣ Left.
> Input 4 and then press the Navigation Key ▣ down.
> Input 2 and then press the ✳☆+ to input (.).
> Press 5.
> Then press ▣K and you will see the answer.

📖 Navigation Key ▣ right : X, Navigation Key ▣ down : -,
NOTE Navigation Key ▣ left : ÷, Navigation Key ▣ up : +,
✳☆+ : ., Left Soft Key •• : Clear, ▣K : =.

❸ To reset, press Left Soft Key •• [CLEAR].

📖 • To change the displayed number from positive (+) to
NOTE negative (-) and vice versa, press #⌐⁴₅ [±].
• Press Right Soft Key ••• [OPERATOR] to use parenthesis and "Exponent".

■ CALENDAR
Sets an event and reminds you of that event.

ADD NEW

❶ Press ▢K [MENU], then press the Navigation Key ▢
right 2 times for the "Settings & Tools" menu.
Press 2 abc for Tools, then 3 def for Calendar.

❷ Move the Navigation Key ▢ to choose a date in the
calendar and then press ▢K .
Press Right Soft Key ••• [OPTIONS] to 1. Weekly View,
2. Go To Date, 3. Erase, 4. Erase Passed or 5. Erase All.
Press Left Soft Key •• [ADD] to set a new event.

❸ To set a new event, press Right Soft Key ••• [OPTIONS]
then select "Add". The appointment field is highlighted.
Press the Navigation Key ▢ down to set the alarm
options.

APPOINTMENT

Use the keypad to enter an appointment in your schedule.

START TIME

Use the keypad to set a start time and press Left Soft Key
•• to select "am" or "pm".

END TIME

Use the keypad to set an end time and press Left Soft Key
•• to select "am" or "pm".

START DATE

Use the keypad to change or enter the start date.

RECURRENCE

Use the Navigation key ▢ to select a repeat setting for
the calendar. (Daily, Weekly, Monthly or Yearly).

BY COUNT

Use the keypad to enter a count.

END DATE

Use the keypad to change or enter the end date.

TIME ZONES

Use the Navigation Key ▢ to select a time zones, press
Left Soft Key •• [SET]. (OFF, EST, EDT, CST, CDT, MST,
MDT, PST, PDT, AKST, AKDT, HAST, HADT or GMT/UTC).

ALERT

Use the keypad to 1. Get New Ringtones or select the
alert tone you wish to set.

VIBRATE

Use the Navigation Key ▢ to select vibrate On/Off.

REMINDER

Use the Navigation Key ▢ to select an alert time
interval option (0 Minute, 5 Minutes, 10 Minutes,
15 Minutes).

④ Press ▣ [SAVE] to save it or ▣ [CLR] to return to the calendar.

⑤ The date of the event will be marked on your calendar.

VIEW PLAN LIST

① Press ▣ [MENU], then press the Navigation Key ⊡ right 2 times for the "Settings & Tools" menu. Press ② for Tools, then ③ for Calendar.

② To view the Calendar List:
Move the Navigation Key ⊡ to choose an event and then press ▣ [VIEW], press ▣ [VIEW]. Press Left Soft Key ⬤ [ERASE] and then select "Yes", press ▣ .

■ **ALARM CLOCK**

① Press ▣ [MENU], then press the Navigation Key ⊡ right 2 times for the "Settings & Tools" menu. Press ② for Tools, then ④ for Alarm Clock.

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 ▣ .

③ The setting field will be highlighted. Press the Navigation Key ⊡ down to select alarm options.

ALARM

Use the Navigation Key ⊡ to select alarm On/Off.

TIME

Use the keypad to set a time for the alarm and press Left Soft Key ⬤ to select "am" or "pm".

FREQUENCY

Use the Navigation Key ⊡ to select a setting for the alarm (Once, Daily, Mon - Fri, Weekends).

RINGER

Press Left Soft Key ⬤ [SET], to use the keypad to 1. Get New Ringtones or select the alert tone you wish to set.

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

■ **WORLD CLOCK**
To display the time and date in pre-programmed cities:

① Press ▣ [MENU], then press the Navigation Key ⊡ right 2 times for the "Settings & Tools" menu. Press ② for Tools, then ⑤ for World Clock.

② Select a city by pressing Left Soft Key ⬤ [CITIES]. Or use the Navigation Key ⊡ to select another city.

③ The world map appears with the city, its date and time. Use the Navigation Key ⊡ to select another city. DST (Daylight Saving Time) information should be applied for each city and persistent throughout the power cycle as well as application's life cycle, press Right Soft Key ⬤⬤ [DST] to set the DST options.

CITY

Use the Navigation Key 🔘 to select another city.

DST (Daylight Saving Time)

Use the Navigation Key 🔘 to select DST On/Off.

START DATE

Use the keypad to change or enter the start date.

START TIME

Use the keypad to set a start time and press Left Soft Key 🔘🔘 to select "am" or "pm".

END DATE

Use the keypad to change or enter the end date.

END TIME

Use the keypad to set an end time and press Left Soft Key 🔘🔘 to select "am" or "pm".

To save an DST setting, press 🔲🔲 [SAVE].

❹ To return to the previous page, press 🔲🔲 .

■ **NOTEPAD**
Your phone includes an internal notepad that can be used to compose and store reminders and notes.

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

❶ Press 🔲🔲 [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 2 abc for Tools, then 6 mno for Notepad.

❷ To add a new memo, press Left Soft Key 🔘🔘 [NEW]. Input a new text memo. (Please refer to page 37 for more details on entering letters, numbers & symbols.)

❸ To save memo, press 🔲🔲 [SAVE].

VIEW MEMO
To view a saved memo:

❶ Press 🔲🔲 [MENU], then press the Navigation Key 🔘 right 2 times for the "Settings & Tools" menu. Press 2 abc for Tools, then 6 mno for Notepad.

❷ The list of all memos, in saved order, is displayed. Select a memo and then press 🔲🔲 [VIEW].

❸ To add a new memo, press Left Soft Key 🔘🔘 [NEW].

To erase a memo, press Right Soft Key 🔘🔘🔘 [OPTIONS] "Erase".

To erase all memos, press Right Soft Key 🔘🔘🔘 [OPTIONS] "Erase All".

❹ The selected memo will appear.
To edit it, press **OK** [EDIT] and input a new text memo and then press **OK** [SAVE] to save it.

■ STOP WATCH
Simultaneously times up to eight different events. To operate the stop watch:

❶ Press **OK** [MENU], then press the Navigation Key ⬚ right 2 times for the "Settings & Tools" menu. Press **2 abc** for Tools, then **7 pqrs** for Stop Watch.

❷ 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 Right Soft Key **•••** [RESET].

❸ To time up to eight events at once:
1. To start, press **OK** [START].
2. To stop a time period and continue measuring another one, press Left Soft Key **••** [CONT].
3. To stop the second and continue measuring a third one, press Left Soft Key **••** [CONT].
4. To measure up to eight time periods, repeat the above steps.
5. To stop the stop watch, press **OK** [STOP].
6. To review the results, press Left Soft Key **••** [VIEW].
7. To return to the stop watch, press **OK** .
8. To reset it, press Right Soft Key **•••** [RESET].

❶ Press **OK** [MENU], then press the Navigation Key ⬚ right 2 times for the "Settings & Tools" menu. Press **1 @** for My Account.

❷ Connect "WAP Browser".

CHAPTER 5
GET IT NOW

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

GET IT NOW

■ MUSIC & TONES
To access the Music & Tones menu.

V CAST MUSIC
You can use the V Cast Music option to download music from the V Cast music catalog.

❶ Press ▣K [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press 1 ▣ for Music & Tones, then 1 ▣ for V Cast Music.

❷ Browse of Search the catalog to preview the songs you want.

❸ Highlight the music that you want to purchase. Press ▣K [BUY] to purchase.

❹ The Confirm Purchase screen will display the price and items you selected to purchase. Press ▣K [BUY] to accept the terms.

❺ You'll receive a confirmation that your purchase was successful and your music is available for download. Press ▣K to continue.

❻ Highlight Phone Memory or Memory Card for Storage location (Memory Card is recommended, and is only an option if a memory card is in your phone). Press ▣K to begin downloading. Wait for the phone to acquire the content license. Press ▣K when download is complete.

❼ Press Right Sofy Key ●●● [PLAY] to play the downloaded song immediately.

GET NEW RINGTONES

❶ Press ▣K [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press 1 ▣ for Music & Tones, then 2 abc for Get New Ringtones.

❷ If you have not downloaded any ringtones or ring-tone applications previously, press 1 ▣ for Get New Applications. The Get It Now browser will launch. From the Download menu, select a service provider and press ▣K . Then select the application and press ▣K to download it.

❸ To download a ringtone, select the application from the Get New Ringtones menu. Once the application has launched, follow the directions to download your ringtones. Downloaded ringtones are saved to the My Ringtones menu.

MY RINGTONES

❶ Press ▣K [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press 1 ▣ for Music & Tones, then 3 def for My Ringtones.

❷ To play downloaded tunes or tones: Select the tunes or tones you want to play and then press ▣K [PLAY].

❸ To erase downloaded tunes or tones: Select the tunes or tones you want to erase and then press Right Soft Key ●●● [OPTIONS] and select "Erase" and then select "Yes", press ▣K .

- **By pressing Right Soft Key ⚬⚬⚬ [OPTIONS], you can choose from the following:**
  DOWNLOADED RINGTONE:
  1. Erase: Erase the current ringtone from your phone.
  2. Rename: To edit the ringtone's title.
  3. Lock: Lock/Unlock the current ringtone from your phone.
  4. Erase All: To erase all the ringtones in your phone.
  5. File Info: Displays information on the selected ringtone.
  PRELOADED SOUND:
  1. Erase: Erase the current ringtone from your phone.
  2. Erase All: To erase all the ringtones in your phone.
  3. File Info: Displays information on the selected ringtone.
- **Press ▢K [PLAY/STOP] to play/stop ringtone.**

❹ To assign downloaded tunes or tones:
Select the tunes or tones you want to assign and then press Left Soft Key ⚬⚬ [SET AS]. Select "Ringtone", "Contact ID" or "Alert Sounds" and then press ▢K .

- **By pressing Right Soft Key ⚬⚬⚬ [SET AS], you can choose from the following:**
  1. Ringtone
  2. Contact ID
  3. Alert Sounds - 1. All Messages
  **   2. TXT Message**
  **   3. Pic-Video Message**
  **   4. Voicemail**

MY MUSIC

❶ Press ▢K [MENU], then press the Navigation Key ▢ left 2 times for the "Get it Now" menu. Press 1 ⚬ for Music & Tones, then 4 ghi for My Music.

❷ The My Music Menu consists of V Cast Music and all your saved songs - saved to your phone or your Micro SD card.

❸ To download more music, highlight V Cast Music and press ▢K . You will connect to the V Cast service.

- **Press Left Soft Key ⚬⚬ [MY MUSIC/PLAYLIST].**
- **In My Music mode, pressing Right Soft Key ⚬⚬⚬ [OPTIONS], you can choose from the following:**
  1. Erase: Erase the current music from your phone.
  2. Rename: To edit the music's title.
  3. Lock: Lock/Unlock the current music from your phone.
  4. Move: To move the selected music to the other save location.
  5. Erase All: To erase all the musics in your phone.
  6. File Info: Displays information on the selected music.
- **In Playlist mode, pressing Right Soft Key ⚬⚬⚬ [OPTIONS], you can choose from the following:**
  1. View: To edit a playlist.
  2. Erase: Erase the current playlist from your phone.
  3. Erase All: To erase all the playlist in your phone.
  4. New Playlist: To add a new playlist.

❹ To play a saved song, scroll through the list of tracks and press ▢K [PLAY]. Press Left Soft Key ⚬⚬ [MUTE] to mute the song. Press Right Soft Key ⚬⚬⚬ [OPTIONS] to 1. Play All, 2. Shuffle, 3. Get V Cast Music or 4. Play Music by Artist.

⑤ Press the Navigation Key 🔘 left to start the song over again. Press the Navigation Key 🔘 right to skip to the next song if there are other songs to be played. Press ⌷⌷ to pause or play the song.

MY SOUNDS

❶ Press ⌷⌷ [MENU], then press the Navigation Key 🔘 left 2 times for the "Get it Now" menu. Press ❶ for Music & Tones, then ❺ for My Sounds.

❷ To play downloaded sounds, select the sound you want to play, then press ⌷⌷ [PLAY].

❸ To erase downloaded sounds, select the sound you want to erase, then press Left Soft Key ⚫⚫ [ERASE], then select "Yes", press ⌷⌷ [OK].

> • **By pressing Right Soft Key ⚫⚫⚫ [OPTIONS], you can choose from the following:**
> **DOWNLOADED or RECORD SOUND:**
> **1. Send:** To send a sound.
> **2. To PIX Place:** To upload selected sound to picture server.
> **3. Rename:** To edit the sound's title.
> **4. Move:** To move the selected sound to the other save location.
> **5. Lock/Unlock:** To select "Lock" or "Unlock".
> **6. Erase All:** To erase all the sounds in your phone.
> **7. File Info:** Displays information on the selected sound.

> **PRELOADED SOUND:**
> **1. Send:** To send a sound.
> **2. To PIX Place:** To upload selected sound to picture server.
> **3. File Info:** Displays information on the selected sound.
> • **Press ⌷⌷ [PLAY/STOP] to play/stop sound.**

❹ To send the Picture message, press Right Soft Key ⚫⚫⚫ [OPTIONS]. Then press ❶ for Send. Please refer to page 132 for more details on "Send New Picture Message".

RECORDING NEW TONES

① Press ⌷⌷ [MENU], then press the Navigation Key 🔘 left 2 times for the "Get it Now" menu. Press ❶ for Music & Tones, then ❺ for My Sounds.

② Press ❶ for Record New. "Press OK to start recording" will be displayed.

③ Press ⌷⌷ to begin recording. When done, press ⌷⌷ [STOP] to finish recording. The recording is automatically saved to your My Sounds list.

④ Your recording is saved with a number. To rename your recording, scroll to it in the My Sounds menu, them press Right Soft Key ⚫⚫⚫ [OPTIONS]. Then press ❸ for Rename.

SYNC MUSIC

❶ Press ▣К [MENU], then press the Navigation Key ⬚
left 2 times for the "Get it Now" menu. Press ▮ ② for
Music & Tones, then ⑥ mno for Sync Music.

❷ Open Windows Media™ Player 10 on your PC and
select the "Sync" tab.

❸ Select "Edit Playlist" and select the songs from your
library that you want to sync.

❹ In Windows Media Player 10, select "V CAST Mobile
Phone - Removable Storage Card" unless no memory
card is available. Start the sync process in Windows
Media Player 10 by pressing "Start Sync". Remember,
your phone must be in "Sync Music" mode.

❺ When synching completes, disconnect the cable from
your phone and exit "Sync Music".

❻ Under the "Music & Tones" menu, open "My Music" to
view and play your music.

> NOTE V CAST Music phones only support music imported from a
> CD via Windows Media™ Player 10, purchased from the
> V CAST Music Service, or other purchased Windows Media™
> formatted music. iPod® and iTunes® compatible music files
> are not compatible with V CAST Music.

■ PICTURE & VIDEO

V CAST VIDEOS

❶ Press ▣К [MENU], then press the Navigation Key ⬚
left 2 times for the "Get it Now" menu. Press ② abc for
Picture & Video, then ▮ ② for V Cast Videos.

❷ Connection to the V CAST Video Service.

GET NEW PICTURES

❶ Press ▣К [MENU], then press the Navigation Key ⬚
left 2 times for the "Get it Now" menu. Press ② abc for
Picture & Video, then ② abc for Get New Pictures, then
select "Get New Applications". (Get It Now will launch
and take you to the download menu.)

❷ Use the Navigation Key ⬚ to select a provider's
browser, press ▣К .

❸ Select the desired application from the application list
and then press ▣К to download it.

> NOTE The downloaded application will be included in the list
> displayed when you access: Get New Pictures > 1. Get New
> Applications.

❹ After executing the downloaded application,
download the desired Picture. (The downloaded
contents are saved in My Pictures.)

MY PICTURES

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

❶ Press **OK** [MENU], then press the Navigation Key ⬡ left 2 times for the "Get it Now" menu. Press **2 abc** for Picture & Video, then **3 def** for My Pictures.

❷ In Review Mode, you can view all the pictures you have stored in your phone.

❸ Select the picture with the Navigation Key ⬡ and then press **OK** [VIEW].

> • To view the previous or next picture in detail view, press the Navigation Key ⬡ up/down.
> • **By pressing Right Soft Key ••• [OPTIONS], you can choose from the following:**
> **DOWNLOADED or TAKEN PICTURE:**
> • **Send:** To send a picture message.
> • **Set As:** Assigns the selected picture to display for specific tasks. (Wallpaper/Picture ID)
> • **To PIX Place:** To upload selected picture to picture server.
> • **Take Picture:** To take new picture.
> • **Rotate:** To rotate the selected picture.
> • **Get New Pictures:** To download new picture.
> • **Rename:** To edit the picture's title.
> • **Move:** To move the selected picture to the other save location.
> • **Lock/Unlock:** To set "Lock" or "Unlock".
> • **Erase All:** To erase all the pictures in your phone.
> • **File Info:** Displays information on the selected picture, such as "File Name", "Date", "Time", "Resolution", "Size".

> **PRELOADED PIX:**
> • **Set As:** Assigns the selected picture to display for specific tasks. (Wallpaper)
> • **Take Picture:** To take new picture.
> • **Rotate:** To rotate the selected picture.
> • **Get New Pictures:** To download picture.
> • **Erase All:** To erase all the pictures in your phone.
> • **File Info:** Displays information on the selected picture, such as "File Name", "Date", "Time", "Resolution", "Size".
> • **Press Left Soft Key •• [ERASE] to erase the current picture from your phone.**

MY VIDEOS

In Review Mode, you can view all the videos you have taken, store selected video in your phone, send video to the Online Album, delete video and access additional video options.

❶ Press **OK** [MENU], then press the Navigation Key ⬡ left 2 times for the "Get it Now" menu. Press **2 abc** for Picture & Video, then **4 ghi** for My Videos.

❷ In Review Mode, you can view all the videos you have stored in your phone.

❸ Select the video with the Navigation Key ⬡ and then press **OK** [PLAY].

> • To view the previous or next video in detail view, press the Navigation Key ⬡ up/down.

- **By pressing Right Soft Key [OPTIONS], you can choose from the following:**
  DOWNLOADED or TAKEN VIDEO:
  1. Send: To send a video message.
  2. Record New: To record new video.
  3. To PIX Place: To upload selected video to video server.
  4. V CAST Videos: To download V CAST video.
  5. Set As: Assigns the selected video to display for specific tasks. (Wallpaper/Ringer ID)
  6. Rename: To edit the video's title.
  7. Move: To move the selected video to the other save location.
  8. Lock/Unlock: To set "Lock" or "Unlock".
  9. Erase All: To erase all the videos in your phone.
  10. File Info: Displays information on the selected video, such as "File Name", "Date", "Time", "Resolution", "Size".
- **Press Left Soft Key [ERASE] to erase current video from your phone.**

TAKE PICTURE

❶ Press camera key or press and hold side camera key when flip is closed.

❷ Point the camera lens at your subject. You can check the picture framing through the main display screen.

❸ Press side camera key or press [TAKE] to take the picture.

- To view captured images, press Left Soft Key [MY PICS].

- **By pressing Right Soft Key [OPTIONS], you can choose from the following:**
  1. Resolution: To select a resolution for a picture. (Landscape: 1280x960/640x480/320x240/160x120, Portrait: 960x1280/480x640/240x320/120x160)
  2. Self Timer: To activate the camera's timer function. (Off/3 Seconds/5 Seconds/10 Seconds)
  3. Brightness: To brightness up/down(-2, -1, 0, +1, +2).
  4. White Balance: To select white balance. (Auto/Sunny/Cloudy/Tungsten/Fluorescent/Darkness)
  5. Shutter Sound: To select a shutter sound. (Shutter/Silent/Say "Cheez"/Ready! 123)
  6. Color Effects: To select color effect among the following: (Normal/Antique/Black and White/Negative)
  7. Capture Mode: To select Capture mode "Landscape" or "Portrait".
  8. Sub Display: To take a picture using the Sub LCD. By pressing Right Soft Key [OPTIONS], you can choose Sub LCD options: 1. Resolution/2. Self Timer/3. Brightness/4. White Balance/5. Shutter Sound/ 6. Color Effects/7. Capture Mode/8. Main Display
- User can control zoom directly by pressing the Navigation Key . Press the Navigation Key up/down: Zoom Up/Down. (Except 1280X960, 960X1280 mode).

❹ After taking the picture it will be displayed. To save the picture, press Left Soft Key [SAVE]. To go back to idle mode without saving the picture, press END.

To take another picture without saving the picture you just took, press Right Soft Key [ERASE].

To send the picture to someone, press [SEND]. Please refer to page 132 for more details on "Send New Picture Message".

RECORD VIDEO

❶ Press ☐☐ [MENU], then press the Navigation Key ⬡ left 2 times for the "Get it Now" menu. Press ➋ abc for Picture & Video, then ➏ mno for Record Video. OR, in idle mode, press and hold ⬡ . OR, in camera preview mode, press ⬡ .

❷ Point the camera lens at your subject. You can check the video framing through the main display screen.

❸ Press camera key or press ☐☐ [REC] to take the video.

> • To view captured videos, press Left Soft Key ●● [VIDEOS].
> • **By pressing Right Soft Key ●●● [OPTIONS], you can choose from the following:**
> **1. Brightness:** To brightness up/down(-2, -1, 0, +1, +2).
> **2. White Balance:** To select white balance.
> (Auto/Sunny/Cloudy/Tungsten/Fluorescent/Darkness)
> **3. Mute/Unmute:** To select Mute to Turn On/Off sound recording.
> **4. Sub Display:** To take a video using the Sub LCD.
> **By pressing Right Soft Key ●●● [OPTIONS], you can choose Sub LCD options:**
> 1. Brightness/2. White Balance/3. Mute/4. Main Display
> • User can control zoom directly by pressing the Navigation Key ⬡ up/down: Zoom Up/Down.

❹ To pause/resume recording, press Left Soft Key ●● [PAUSE/RESUME]. To stop recording, press ☐☐ [STOP].

❺ After taking the video it will be displayed.
To save the video, press Left Soft Key ●● [SAVE].

To go back to idle mode without saving the video, press END⏻ .

To erase video, press Right Soft Key ●●● [ERASE].

To send the video to someone, press ☐☐ [SEND]. Please refer to page 134 for more details on "Send New Video Message".

PIX PLACE

❶ Press ☐☐ [MENU], then press the Navigation Key ⬡ left 2 times for the "Get it Now" menu. Press ➋ abc for Picture & Video, then ➐ pqrs for PIX Place.

❷ Connect "WAP Browser".

■ GAMES

DOWNLOADING NEW GAMES

❶ Press ☐☐ [MENU], then press the Navigation Key ⬡ left 2 times for the "Get it Now" menu. Press ➌ def for Games, then select "Get New Applications", press ☐☐ . (Get It Now will launch and take you to the download menu.)

❷ Use the Navigation Key ⬡ to select a provider's browser, press ☐☐ .

❸ Use the Navigation Key ⬡ to select a game you wish to download, and press ☐☐ .

PLAYING DOWNLOADED GAMES

❶ Press ▣ [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press ▤ ᵈᵉᶠ for Games.

❷ To play the game you downloaded, select the game and press ▣ [PLAY].

■ NEWS & INFO

CONNECTING NEWS & INFO

❶ Press ▣ [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press ④ ᵍʰⁱ for Connecting News & Info.

❷ Connect "WAP Browser".

■ TOOLS ON THE GO

CONNECTING TOOLS ON THE GO

❶ Press ▣ [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press ⑤ ʲᵏˡ for Connecting Tools On the Go, then select "Get New Applications".

■ EXTRAS

CONNECTING EXTRAS

❶ Press ▣ [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu. Press ⑥ ᵐⁿᵒ for Connecting Extras, then select "Get New Applications".

■ GET IT NOW INFO
Displays information about "App. Memory", "Phone Memory", "View Log" and "Help":

❶ Press ▣ [MENU], then press the Navigation Key ▣ left 2 times for the "Get it Now" menu, press Right Soft Key ••• [INFO].

❷ Select one of the following options with the Navigation Key ▣ .

- **App. Memory**
- **Phone Memory**
- **View Log**
- **Help**

❸ To return to the previous page, press ▣ .

```
Yₐₗₗ𝒞                        ▭

        CHAPTER 6
  VOICE MAIL, TXT,
  PICTURE, VIDEO
    MESSAGING
```
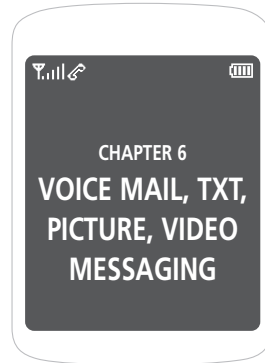
This chapter addresses Voice Mail, TXT, Picture, Video Messaging functions including:

WHEN A NEW MESSAGE ARRIVES
NEW MESSAGE
INBOX
SENT
DRAFTS
VOICE MAIL
MOBILE IM
E- MAIL
CHAT
ERASE ALL
SETTINGS

❶ The following display appears when a new message arrives.

❷ To display the message, select "View Now" and then press ◘◘ .

Press ◘◘ [MENU], then press the Navigation Key ◎ left 2 times for the "Get it Now" menu. Press ➋ abc for Picture & Video, then ➏ mno for Record Video.

■ SEND NEW TXT MESSAGE

❶ Press Left Soft Key ●● [MESSAGE], then ➊● for New Message, and then ➊● for TXT Message.

❷ Under "To", input the phone number and then press ◘◘ .

> **By pressing Right Soft Key ●●● [ADD], you can choose from the following:**
> **1. From Contacts:** Search for a phone number which is stored in the contacts list.
> **2. Recent Calls:** Search the phone number which is stored in the recent calls list.
> **3. Groups:** Search the groups stored in the contacts list.
> **4. To Contacts:** To store the phone number in contacts.

❸ Under "Message", input a new TXT message and then press ◘◘ [SEND].
(Please refer to page 37 for more details on entering letters, numbers and symbols.)

> **Press Right Soft Key ●●● [OPTIONS], you can choose from the following:**
> **1. Save As Draft:** To save the TXT message.
> **2. Add Graphic:** Inserts simple graphic image in TXT message.
> **3. Add Sound:** Inserts EMS sound in TXT message.
> **4. Font Size:** Select "Small", "Normal" or "Large".
> **5. Add Name Card:** Inserts name card in TXT message.
> **6. Add Quick Text:** Inserts already written sentences in TXT message.
> **7. Priority Level:** Select "High" or "Normal".
> **8. Cancel Message:** To cancel message.

❹ To send the TXT message, press ◘◘ [SEND].

> **NOTE**
> • If one of the fields is inserted in TXT message field, the message is saved in the draft box.
> • Input at least one TXT message field to save in the draft box.

■ SEND NEW PICTURE MESSAGE

❶ Press Left Soft Key •• [MESSAGE], then 1 🏀 for New Message, and then 2 abc for Picture Message.

❷ Under "To", input the phone number and then press OK .

> **By pressing Right Soft Key ••• [ADD], you can choose from the following:**
> **1. From Contacts:** Search for a phone number which is stored in the contacts list.
> **2. Recent Calls:** Search the phone number which is stored in the recent calls list.
> **3. Groups:** Search the groups stored in the contacts list.
> **4. To PIX Place:** To send pictures by using online Address.
> **5. To Contacts:** To store the phone number in contacts.

❸ Under "Text", input a new TXT message and then press the Navigation Key 🔘 down.
(Please refer to page 37 for more details on entering letters, numbers and symbols. A maximum of 1,000 characters is allowed.)

❹ Under "Picture", user can insert/remove only one picture.
Press Left Soft Key •• [MY PICS], select picture you'd like to send and then press OK .

❺ Under "Sound", user can insert/remove only one sound.
Press Left Soft Key •• [SOUNDS], select the sound you'd like to send and then press OK .

❻ Under "Subject", input a subject. (Please refer to page 37 for more details on entering letters, numbers and symbols. Max 100 characters support.)

❼ Under "Name Card", enable to insert name card.
Press Left Soft Key •• [ADD], select "My Name Card" or "Contacts", press OK , select my card you'd like to send and then press OK .

> **By pressing Right Soft Key ••• [OPTIONS], you can choose from the following:**
> **1. Preview:** To preview a written picture message.
> **2. Save As Draft:** To save the picture message.
> **3. Add Quick Text:** Inserts already written sentences in TXT message.
> **4. Add Slide:** To add a another message.
> **5. Priority Level:** Select "High" or "Normal".
> **6. Remove Picture:** To remove inserted picture.
> **7. Remove Sound:** To remove inserted sound.
> **8. Remove Name Card:** To remove inserted name card.
> **9. Cancel Message:** To cancel message.

❽ To send the Picture message, press OK [SEND].

■ SEND NEW VIDEO MESSAGE

❶ Press Left Soft Key •• [MESSAGE], then ▮ ⓐ for New Message, and then ▤ def for Video Message.

❷ Under "To", input the phone number and then press ◻◻ .

> **By pressing Right Soft Key ••• [ADD], you can choose from the following:**
> **1. From Contacts:** Search for a phone number which is stored in the contacts list.
> **2. Recent Calls:** Search the phone number which is stored in the recent calls list.
> **3. Groups:** Search the groups stored in the contacts list.
> **4. To PIX Place:** To send video by using online Address.
> **5. To Contacts:** To store the phone number in contacts.

❸ Under "Text", input a new TXT message and then press the Navigation Key ◉ down. (Please refer to page 37 for more details on entering letters, numbers and symbols. A maximum of 1,000 characters is allowed.)

❹ Under "Video", user can insert/remove only one video. Press Left Soft Key •• [VIDEOS], select video you'd like to send and then press ◻◻ .

❺ Under "Subject", input a subject. (Please refer to page 37 for more details on entering letters, numbers and symbols. Max 100 characters support.)

❻ Under "Name Card", enable to insert name card. Press Left Soft Key •• [ADD], select "My Name Card" or "Contacts", press ◻◻ , select my card you'd like to send and then press ◻◻ .

> **By pressing Right Soft Key ••• [OPTIONS], you can choose from the following:**
> **1. Preview:** To preview a written video message.
> **2. Save As Draft:** To save the video message.
> **3. Add Quick Text:** Inserts already written sentences in TXT message.
> **4. Priority Level:** Select "High" or "Normal".
> **5. Remove Video:** To remove inserted video.
> **6. Remove Name Card:** To remove inserted name card.
> **7. Cancel Message:** To cancel message.

❼ To send the video message, press ◻◻ [SEND].

The Inbox manages received TXT, Picture/Video, Web Alert messages. To access:

❶ Press Left Soft Key •• [MESSAGE], then 2 abc for Inbox.

- 🔒 : **Lock**
- ◎ : **Priority**
- ✉ : **Read**
- 📩 : **EMS Unread**
- 📭 : **WAP Unread**
- 📨 : **MMS Unread**
- 📬 : **MMS Read**
- ✉ : **Unread**
- 📧 : **EMS Read**
- 📫 : **WAP Read**

❷ Select a message and then press ☐K [OPEN]. The message is displayed. To delete a message, press Left Soft Key •• [ERASE], press ☐K .

When you select WAP PUSH message, press ☐K , to launch the browser.

❸ Press Right Soft Key ••• [OPTIONS].

PLAY AGAIN

① To play a received Picture/Video message.

REPLY

① Type your reply and then press ☐K .

ERASE INBOX

① To erase all inbox message, select "Erase Inbox" and then select "Yes", press ☐K .

📖 "Play Again" menu appears only when you receive a
NOTE Picture/Video message.

REPLY W. COPY

① Select to reply with the original message included.

② To send the TXT, press ☐K [SEND].

FORWARD

① Select to forward the TXT or Picture/Video message.

② Input the phone number of the person you are sending the message and then press ☐K .

③ Input any TXT message to go along with the forwarded message and then press ☐K [SEND].

SAVE PICTURE (MMS PICTURE)

① Select to save a picture to the "My Pictures" folder.

SAVE VIDEO (MMS VIDEO)

① Select to save a video to the "My Videos" folder.

SAVE AS RINGTONE

① If you receive a MMS message, select to save a sound to the "My Ringtones" folder.

📖 • "Reply with Copy" menu appears only when you receive
NOTE a TXT message.
• "Save Picture" menu appears only when you receive a Picture message.
• "Save Video" menu appears only when you receive a Video message.

SAVE SOUND(MMS SOUND)

① If you receive a MMS message, select to save a sound to the "My Sounds" folder.

SAVE OBJECTS(EMS SAVE OBJECTS)

① Select to save a graphic, sound, name card.

SAVE NAME CARD

① Select to save a name card to the contacts.

SAVE QUICK TEXT

① Select to save received text msg to "Quick Text".

ADD TO CONTACTS

① Select to save number to contacts.

LOCK/UNLOCK

① Select to lock or unlock the TXT or Picture/Video message.

② Select "Lock" to lock the message or "Unlock" to unlock the message and then press `OK` .

NOTE
- "Save Sound" menu appears only when you receive a Picture/Video message.
- "Save Objects" menu appears only when you receive a EMS message.
- "Save Name Card" menu appears only when you receive a Picture/Video message.
- Place a call to a received message number (Include Fr/CB phone number) by simply pressing `SEND` .

MESSAGE INFO

① Select to show received TXT/Picture/Video message information.

NOTE
"Message Info" menu appears only when you receive a TXT/Picture/Video message.

Manages sent TXT, Picture/Video messages or messages waiting to be sent.

❶ Press Left Soft Key ●● [MESSAGE], then ∃ᵈᵉᶠ for Sent.

- 🔒 : Lock
- ⊙ : Priority
- 📨 : Sent
- 📭 : Incomplete Delivery
- 📬 : Delivered
- 📪 : Sent Failed

❷ Select a message and then press OK [OPEN]. The message is displayed. To delete a message, press Left Soft Key ●● [ERASE], press OK .

❸ Press Right Soft Key ●●● [OPTIONS].

FORWARD

① Select to forward the TXT or Picture/Video message.

② Input the phone number of the person you are sending the message and then press OK .

③ Input any TXT message to go along with the forwarded message and then press OK [SEND].

PLAY AGAIN

① Select to play sent MMS message.

📖 NOTE   "Play Again" menu appears only when you send a MMS message.

RESEND

① Select to resend a TXT or Picture/Video message.

ERASE

① To erase this message, select "Erase" and then select "Yes", press OK .

ERASE SENT

① To erase all sent message, select "Erase Sent" and then select "Yes", press OK .

ADD TO CONTACTS

① Select to save number to contacts.

LOCK/UNLOCK

① Select to lock or unlock the TXT or Picture/Video message.

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

SAVE QUICK TEXT

① Select to save sent msg to "Quick Text".

VIEW NAME CARD

① To view include name card with in message.

MESSAGE INFO

① Select to show send TXT/Picture/Video message information.

📖 NOTE   Place a call to a send message number by simply pressing SEND .

Draft Folder contains any draft messages or saved messages. If message composition is interrupted by a voice call or other interrupting event, the text of the current composition is automatically saved in the drafts folder.

❶ Press Left Soft Key ●● [MESSAGE], then 4 ghi for Drafts.

- 🔒 : **Lock**
- 📲 : **MMS Drafts**
- 📲 : **SMS/EMS Drafts**

❷ Select a message and then press OK [EDIT]. The message is displayed. To delete a message, press Left Soft Key ●● [ERASE], press OK .

❸ Press Right Soft Key ●●● [OPTIONS].

SEND

① Select to send a selected message.

LOCK/UNLOCK

① Select to lock or unlock the TXT or Picture/Video message.

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

ADD TO CONTACTS

① Select to save number to contacts.

ERASE DRAFTS

① To erase all drafts messages, select "Erase Drafts" and then select "Yes", press OK .

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

❶ Press Left Soft Key ●● [MESSAGE], then 5 jkl for Voicemail.

FIRST TIME USER

❶ Dial *86 and then press SEND [SEND].

❷ At the recording, press #← .

❸ To set up your account follow the voice tutorial.

EXISTING USER

❶ Dial *86 and then press SEND [SEND].

❷ At the recording, enter your 4 digits password, and then press #← .

❸ To listen to new messages, press 1 @ .

■ GET NEW

❶ Press Left Soft Key ●● [MESSAGE], then 5 ᵐⁿᵒ for Mobile IM, and then 1 ᵃ for Get New Applications.

❷ Launch "Get It Now".

❶ Press Left Soft Key ●● [MESSAGE], then 7 ᵖqʳˢ for E-Mail.

❷ Browser launches.

❶ Press Left Soft Key ●● [MESSAGE], then 8 ᵗᵘᵛ for Chat.

❷ Browser launches.

❶ Press Left Soft Key ●● [MESSAGE], then Right Soft Key ●●● [OPTIONS].

❷ 2.1. To erase all the inbox messages, press 1 ᵃ [ERASE INBOX].

2.2. To erase all the drafts messages, press 2 ᵃᵇᶜ [ERASE DRAFTS].

2.3. To erase the sent messages, press 3 ᵈᵉᶠ [ERASE SENT].

2.4. To erase the all message, press 4 ᵍʰⁱ [ERASE ALL].

❸ Select "Yes" and then press OK .

Set messaging preferences and default settings.

■ ALL MESSAGE SETTINGS

AUTO SAVE

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 ☺ for All Messages.

❷ Press 1 ☺ [AUTO SAVE]. Select "On", "Off" or "Prompt" with the Navigation Key ⬙ .

> • **On:** All sent messages saved in the Sent box.
> • **Off:** All sent messages not saved in the Sent box.
> • **Prompt:** "Yes", "No" dialogue box displayed after sent message.

❸ Press OK to save it.

AUTO ERASE

Automatically erases inbox messages when new messages arrive.

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 ☺ for All Messages.

❷ Press 2 abc [AUTO ERASE]. Select "On" or "Off" with the Navigation Key ⬙ .

> • **On:** Oldest message erased from inbox automatically when Inbox is full.
> • **Off:** Oldest message not erased from inbox automatically when Inbox is full.

❸ Press OK to save it.

QUICK TEXT

To edit the Quick TXT message you have saved:

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 ☺ for All Messages.

❷ Press 3 def [QUICK TEXT].
2.1. Select a message from the list. Press OK .

2.2. To add a new Quick TXT message, press Right Soft key ••• [NEW], then enter text, press OK .

❸ To erase the saved Quick TXT message, press Left Soft Key •• [ERASE].

> Pre-defined quick text as below.
> What's up?/Let's meet./Check this out!/Whacha doing?/
> Thanks/What do you think?/You've gotta be here to enjoy
> this./Would you like to join me for a date tonight?/
> On my way./Yes/You're the best!/Call me.

VOICEMAIL#

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 ☺ for All Messages.

❷ Press 4 ghi [VOICEMAIL#]. Input a new voice call back number or edit voice call back number.

❸ Press OK to save it.

ENTRY MODE
Sets an Entry Mode as a default. For example, if Word Mode is the default, its icon will appear.

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 for All Messages.

❷ Press 5 [ENTRY MODE]. Select "Word", "Abc", "ABC" or "123" with the Navigation Key .

❸ Press OK to save it.

CALLBACK #
Edits a default callback number so that the recipient can callback or reply.

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 for All Messages.

❷ Press 6 [CALLBACK#].

❸ Select "Off" or "On" with the Navigation Key .

❹ If "On" selected, input a new callback number, press OK to save it.

ALL MESSAGE SIGNATURE
Create a signature that can be automatically inserted at the end of all TXT and Picture messages.

❶ Press Left Soft Key •• [MESSAGE], then Left Soft Key •• [SETTINGS], and then 1 for All Messages.

❷ Press 7 [SIGNATURE]. To activate Signature function, put the cursor on Insert Signature then select "Custom" by using up or down direction keys. To deactivate Signature function, select "None".

❸ To input "Signature", put the cursor on Edit Signature and then enter Signature Edit window by using right or left direction keys.

❹ Press OK to save it.

■ TXT MESSAGE SETTINGS

AUTO VIEW

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

❶ Press Left Soft Key ●● [MESSAGE], then Left Soft Key ●● [SETTINGS], and then **2** abc for TXT Messages.

❷ Press **1** [AUTO VIEW]. Select "On" or "Off" with the Navigation Key ⬡ .

- **On:** TXT message displayed automatically.
- **Off:** TXT message displayed by going to the inbox or responding to interactive notification.

❸ Press ☐K to save it.

TXT MESSAGE SIGNATURE

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

❶ Press Left Soft Key ●● [MESSAGE], then Left Soft Key ●● [SETTINGS], and then **2** abc for TXT Messages.

❷ Press **2** abc [SIGNATURE]. To activate Signature function, put the cursor on Insert Signature then select "Custom" by using up or down direction keys. To deactivate Signature function, select "None".

❸ To input "Signature", put the cursor on Edit Signature and then enter Signature Edit window by using right or left direction keys.

❹ Press ☐K to save it.

■ PIC-VIDEO MESSAGE SETTINGS

AUTO RECEIVE

❶ Press Left Soft Key ●● [MESSAGE], then Left Soft Key ●● [SETTINGS], and then **3** def for Pic-Video Messages.

❷ Press **1** [AUTO RECEIVE]. Select "On" or "Off" with the Navigation Key ⬡ .

- **On:** Picture message downloaded automatically.
- **Off:** Picture message must be retrieved from the inbox or at new TXT message prompt.

❸ Press ☐K to save it.

PIC-VIDEO MESSAGE SIGNATURE
Create a signature that can be automatically inserted at the end of
a message.

❶ Press Left Soft Key ●● [MESSAGE], then Left Soft
Key ●● [SETTINGS], and then ᴇ def for Pic-Video
Messages.

❷ Press ᴇ abc [SIGNATURE]. To activate Signature
function, put the cursor on Insert Signature then select
"Custom" by using up or down direction keys.
To deactivate Signature function, select "None".

❸ To input "Signature", put the cursor on Edit Signature
and then enter Signature Edit window by using right
or left direction keys.

❹ Press OK to save it.

CHAPTER 7
MOBILE WEB 2.0
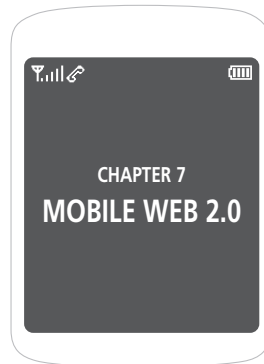
This chapter addresses Internet services and web browsing.
For more detailed information contact your service provider.

STARTING INTERNET BROWSER
BROWSER MENU

■ LAUNCHING MOBILE WEB 2.0

Now you can access news, sports, weather, and e-mail from your phone. Mobile Web 2.0 keeps you updated by providing 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.

❶ To start your Internet browser and access websites through your wireless handset press the Navigation Key 🔘 up.

The browser menu lists the actions necessary to operate the browser. To access, press the Navigation Key 🔘 up and then press Right Soft Key ••• [MENU].

VZW HOME
Returns the user to the home page.

❶ To select "VZW Home".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 1 for VZW Home.

ADD FAVORITE
Takes user to the VZW Add Favorite page.

❶ To select "Add Favorite".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 2 abc for Add Favorite.

📓
NOTE   For favorites, page name and URL need to auto-populate.

SEARCH
Takes user to the VZW Search page.

❶ To select "Search".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 3 def for Search.

GO TO URL
Takes user to the VZW Search>Go to Site page.

❶ To select "Go to URL".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 4 ghi for Go to URL.

SHOW URL
Displays the current URL.

❶ To select "Show URL".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 5 jkl for Show URL.

BACK
Provides the ability to redisplay the page previously displayed.

❶ To select "Back".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 6 mno for Back.

MANAGE MEMORY
Will display following list of options.

❶ To select "Manage Memory".
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 7ₚqᵣₛ for Manage Memory.

- **Clear Cache:** Clears the cache.
- **Clear History:** Clears the list of recently visited URLs.
- **Clear Cookies:** Clears saved cookies.
- **Autofill:** Automatically fills in character for browser recognized words.

SETTINGS

❶ Selecting "Settings" will display following list of options.
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 8ₜᵤᵥ for Settings.

- **Downloads:** Selecting the "Downloads" item allows the user to enable/disable downloading images, background sounds, and object downloads when a URL is accessed.
- **Restart Browser:** Selecting "Restart Browser" causes the history and cache to be cleared and returns the user to the homepage.
- **Scroll Mode:** Selecting "Scroll Mode" from the Settings menu allows the user to select the way text scrolls and the scroll speed.
- **Send Referrer:** When the "Send Referrer" item is selected from the Settings menu, the browser allows the user to turn on or off sending the referrer URL.

- **Key Press Time Out:** When the "Key Press Timeout" item is selected from the Settings menu, the browser allows the user to set the key press timeout as fast, medium or slow. Medium is 1.5 seconds, slow 2 seconds and fast is 1 second. The key press timeout is the period of time after which the cursor auto-advances to the next entry position. In most cases, a single key can be used to enter more than one character. Each time the key is pressed the last character of the line is replaced by the next choice for that key. As long as the same key is re-pressed within key press timeout, the last character cycles between all the choices for the key.
- **Connection Time Out:** When the Connection Timeout item is selected from the Settings menu, the browser allows the user to set the connection timeout. The connection timeout determines how long the browser will wait for a response from the network for a network request.

ADVANCED

❶ Selecting "Advanced", will display following list of options.
Press the Navigation Key 🔘 up, then press Right Soft Key ••• [MENU] 9ᵂˣʸᶻ for Advanced.

- **About:** Displays the name of the supplier of the Browser and the Browser SW version.
- **Refresh:** Allows the user to reload the current URL.
- **History:** Displays the previous 20 number of visited URLs, where X=20.
- **Encryption:** Displays the following list of options.
  1. Authentication: Gives the option to turn Authentication Caching ON or OFF.
  2. Root Certificate: Shows the root security keys for TLS.
  3. Current Certificate: Shows the current site security key for TLS (if applicable).

EXIT

Press ENDᵠ to exit out of the browser and return to idle mode.

CHAPTER 8
SAFETY AND WARRANTY
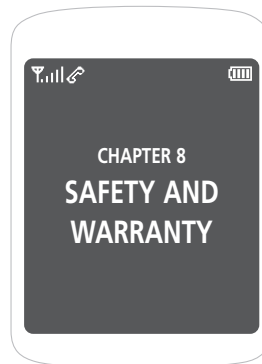
This chapter addresses the safety guidelines and precautions to follow when operating your phone. Before operating your phone, please be aware of all the safety details.

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

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES
SAFETY INFORMATION FOR FCC RF EXPOSURE
SAR INFORMATION
FCC HEARING-AID COMPATIBILITY (HAC) REGULATIONS FOR WIRELESS DEVICES
FDA CONSUMER UPDATE
12 MONTH LIMITED WARRANTY

**Read This Information Before Using Your Handheld
Portable Cellular Telephone**

EXPOSURE TO RADIO FREQUENCY SIGNALS

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

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

> ANSI C95.1 (1992) *
> NCRP Report 86 (1986) *
> ICNIRP (1996) *

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

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

ANTENNA SAFETY

Use only the supplied or an approved replacement antenna.
Unauthorized antennas, modifications, or attachments could impair
call quality, damage the phone, or result in violation of FCC
regulations. Please contact your local dealer for replacement
antenna.

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.

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

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antenna comes into contact with the skin, a minor burn may result.
Please contact your local dealer for replacement antenna.

DRIVING SAFETY

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

Also, if using your phone while driving, please:

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

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

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

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

NOTE

ELECTRONIC DEVICES

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.

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. Therefore, use of your phone must be restricted in certain situations.

PACEMAKERS

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

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

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).

OTHER MEDICAL DEVICES

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

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

VEHICLES

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

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

OTHER SAFETY GUIDELINES

AIRCRAFT

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft. Always request and obtain prior consent and approval of an authorized airline representative before using your phone aboard an aircraft. Always follow the instructions of the airline representative whenever using your phone aboard an aircraft, to prevent any possible interference with airborne electronic equipment.

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.

PRECAUTIONS

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

Failure to follow the directions below could result in serious bodily
injury and/or property damage due to battery liquid leakage, fire
or rupture.

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

WARNING
- This product contains a chemical known to the State of
  California to cause cancer.
- This product contains a chemical known to the State of
  California to cause birth defects or other reproductive
  harm.

WARNING! READ THIS INFORMATION BEFORE USING

CAUTIONS

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

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the
back of the phone kept 2.2 cm.from the body with a beltclip
that contains metallic components. To maintain compliance with
FCC RF exposure requirements, use only belt-clips, holsters or similar
accessories with which this device was tested. The useof accesso
that do not satisfy these requirements may not comply with FCC RF
exposure requirements, and should be avoided.

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

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 sci-entific 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 1.38 W/Kg and when worn on the body, as described in this user guide, is 0.442 W/Kg. (Body-worn measure-ments 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 SAR testing for Body-worn operation was performed with a belt clip that provided a 22mm separation. The User's Manual indicates that any holsters/clips used with this device should contain no metallic components.

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 PP4OVAL.

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

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

FCC HEARING-AID COMPATIBILITY
(HAC) REGULATIONS FOR
WIRELESS DEVICES

On July 10, 2003, the U.S. Federal Communications Commission
(FCC) Report and Order in WT Docket 01-309 modified the
exception of wireless phones under the Hearing Aid Compatibility
Act of 1988 (HAC Act) to require digital wireless phones be com-
patible with hearing-aids. The intent of the HAC Act is to ensure
reasonable access to telecommunications services for persons with
hearing disabilities.

While some wireless phones are used near some hearing devices
(hearing aids and cochlear implants), users may detect a buzz-
ing, humming, or whining noise. Some hearing devices are more
immune than others to this interference noise, and phones also
vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for
wireless phones, to assist hearing device users find phones that may
be compatible with their hearing devices. Not all phones have been
rated. Phones that are rated have the rating on their box or a label
located on the box.

The ratings are not guarantees. Results will vary depending on the
user's hearing device and hearing loss. If your hearing device hap-
pens to be vulnerable to interference, you may not be able to use
a rated phone successfully. Trying out the phone with your hearing
device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are
likely to generate less interference to hearing devices than phones
that are not labeled. M4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufac-
turer or hearing health professional may help you find this rating.
Higher ratings mean that the hearing device is relatively immune to
interference noise.

FCC HEARING-AID COMPATIBILITY
(HAC) REGULATIONS FOR
WIRELESS DEVICES

The hearing aid and wireless phone rating values are then added
together. A sum of 5 is considered acceptable for normal use. A sum
of 6 is considered for best use.

In the above example, if a hearing aid meets the M2 level rating
and the wireless phone meets the M3 level rating, the sum of the
two values equal M5. This should provide the hearing aid user with
"normal usage" while using their hearing aid with the particular
wireless phone. "Normal usage" in this context is defined as a
signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T
mark is intended to be synonymous with the UT mark. The M and
T marks are recommended by the Alliance for Telecommunications
Industries Solutions (ATIS). The U and UT marks are referenced
in Section 20.19 of the FCC Rules. The HAC rating and measure-
ment procedure are described in the American National Standards
Institute (ANSI) C63.19 standard.

**For information about hearing aids and digital wire-
less phone**
- Fcc Hearing Aid Compatibility and Volume Control
  http://www.fcc.gov/cgb/dro/hearing.html
- Gallaudet University, RERC
  http://tap.gallaudet.edu/DigWireless.KS/DigWireless.htm
- Self Help for Hard of Hearing People Inc. [SHHH]
  www.hearingloss.org/hat/TipsWirelessPhones.htm
- The Hearing Aid Compatibility FCC Order
  http://hraunfoss.fcc.gov/edocs_public/attachmatch/
  FCC-03-168A1.pdf

FDA

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

1. Do wireless phones pose a health hazard?
The available scientific evidence does not show that any health problems
are associated with using wireless phones. There is no proof, however,
that wireless phones are absolutely safe. Wireless phones emit low levels
of radiofrequency energy (RF) in the microwave range while being
used. They also emit very low levels of RF when in the stand-by 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 con-
firmed 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 radiofre-
quency 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 indus-
try to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the
  type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the
  user that is not necessary for device function;
and
- Cooperate in providing users of wireless phones with the best possible
  information on possible effects of wireless phone use on human health.
FDA belongs to an interagency working group of the federal agencies
that have responsibility for different aspects of RF safety to ensure
coordinated efforts at the federal level. The following agencies belong
to this working group:

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

3. What kinds of phones are the subject of this update?
The term "wireless phone" refers here to hand-held wireless phones
with built-in antennas, often called "cell," "mobile," or "PCS" phones.
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 neu-roma, 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 influ-

ential 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 mini-mize 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/)

UTStarcom Personal Communications (the Company) warrants to the original retail purchaser of this UTStarcom 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 transferable or assignable.

This Warranty does not apply to:

(a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;

(b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.

(c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;

(d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;

(e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;

(f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

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

When sending your wireless device to UTStarcom Personal Communications for repair or service, please note that any personal data or software stored on the device may be inadvertently erased or altered. Therefore, we strongly recommend you make a back up copy of all data and software contained on your device before submitting it for repair or service. This includes all contact lists, downloads (i.e. third-party software applications, ringtones, games and graphics) and any other data added to your device. In addition, if your wireless device utilizes a SIM or Multimedia card, please remove the card before submitting the device and store for later use when your device is returned, UTStarcom Personal Communications is not responsible for and does not guarantee restoration of any third-party software, personal information or memory data contained in, stored on, or integrated with any wireless device, whether under warranty or not, returned to UTStarcom Personal Communications for repair or service.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid, to the Company at the address shown below or to the place of purchase for repair or replacement processing. In addition, for reference to an authorized Warranty station in your area, you may telephone in the United States (800) 229-1235, and in Canada (800) 465-9672 (in Ontario call 416-695-3060).

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 LAIBILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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

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

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

IN USA: UTStarcom Personal Communications
             555 Wireless Blvd.
             Hauppauge, NY 11788
             (800) 229-1235

IN CANADA: UTStarcom Canada Company
             5535 Eglinton Avenue West
             Suite# 234
             Toronto, ON M9C 5K5
             (800) 465-9672

MEMO