

User Guide



PN-310

Thank you for choosing the Verizon Wireless PN-310 wireless handset. Developed by our dedicated team of top researchers, this product allows has an animated, graphic menu system for easy access to it's many features. Among its many advanced features, the T9 text input mode makes it much easier to enter letters and type messages. In addition, VR (Voice Recognition) adds the convenience of hands free dialing. Other included technologies are:

- Full graphic display of 9 text input lines and 1 icon line with variable font size.
- Animated Graphic User Interface (GUI) display compliant with CDMA2000 1X.
- CSTN 65K Color LCD.
- Navigation Key and 20 keys aligned for more convenience.
- Sophisticated speakerphone and voice recognition features.
- Additional text messaging in addition to authentication, call forwarding, call transfer, and call waiting.

IMPORTANT INFORMATION

This Verizon Wireless user guide contains very important information about how to handle and use the product. Please read this User Guide thoroughly, pay attention to the warranty on the back page and be alert to the exclusions and limitations of your warranty, related to the use of unauthorized components.

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This chapter provides important information about using the PN-310 including:

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

BEFORE USING

INSIDE THE PACKAGE

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



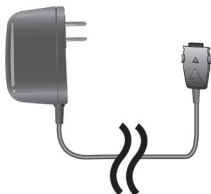
Handset



Standard Battery



User Guide



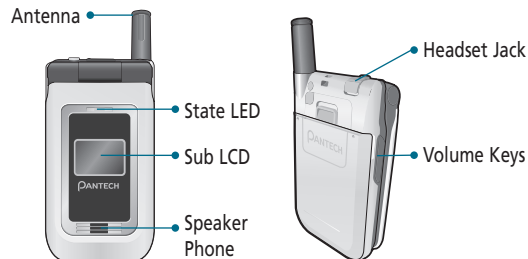
AC Travel Charger

HANDSET DESCRIPTION

BEFORE USING

This phone is a dual mode CDMA2000 1X digital phone. The PN-310 weighs 3.7 oz. The dimensions are 1.83" x 4.48" x 0.97".

PHONE VIEW



THE FUNCTION KEYS

Display Indicators

See page 11 for a list of icons.

THE NAVIGATION KEYS

In Idle Mode

Press Left for Shortcut key1, Up for Shortcut key2, Right for Shortcut key3 and Down for Shortcut key4

Inside a menu

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

Text & Graphic area

Soft Key Indicators

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

THE FUNCTION KEYS

Left Soft Key

Go to Messaging menu.

Right Soft Key

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

Press OK key

Press to access the main menu.

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

Clear

Press to clear a digit from the display or to return to the previous page.
Long press: Speakerphone On/Off in idle.

Press to adjust volume.

Press to make or receive a call.

Short press: Recent Calls.

Press and hold shall display a plus "+".

Press and hold to enter etiquette mode.



DISPLAY INDICATORS



Signal Strength

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



Battery

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



Alarm

Appears when either a calendar or an alarm is set.



Bell_Alarm Only

Appears when a ringer is set as a Bell_Alarm Only mode.



Bell_Off

Appears when a ringer is set as a Bell_Off mode.



TTY

Indicates your phone is active in TTY mode.



Vibrate Only

Phone will vibrate when call is received.



Text Message

New TEXT message.



Roaming

Phone is out of home area.

**Voice Mail**

New Voice Mail.

**GPS Icon**

Location Service of your phone is disabled/enabled.

**Voice Privacy**

Indicates "Voice Privacy" mode.

**No Service**

Phone cannot receive a signal from the system.

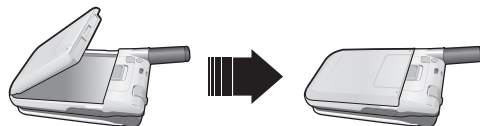
**Speakerphone**

Phone is in speakerphone mode.

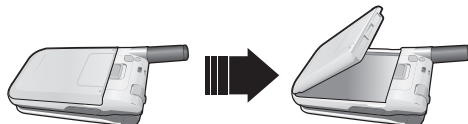
■ **BATTERY INSTALLATION**

As shown in the picture below, put the metal locators of the battery into the holes located in the bottom of the unit.

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

■ **BATTERY REMOVAL**

- ❶ Pull up the release latch, lift up the battery.
- ❷ Remove the battery from the handset.

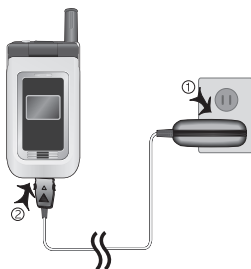


If the battery is not correctly placed in the compartment, the handset will not turn on and/or the battery may detach during use.

■ BATTERY CHARGING

POWER CONNECTION

- 1 Plug the AC Charger into a standard outlet.
- 2 Plug the other end of the AC Charger into the bottom of your phone. The battery must be installed onto the phone.



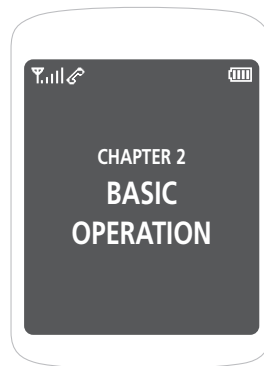
- When you charge the battery with the phone power off, you will see a charging status screen. You cannot operate the phone until it is powered on.
- The battery is not charged at the time of purchase.
- Fully charge the battery before use.
- It is more efficient to charge the battery with the handset 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.
- Store the discharged battery in a cool, dark and dry place.
- Purchase a new battery when the operating time of the current battery has decreased gradually over time.
- 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.



This chapter addresses and explains the basic features of your cellular telephone including:

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

■ TURNING THE PHONE ON



- 1 Press  **END**, until animation appears and the wake up tone sounds.

■ TURNING THE PHONE OFF

- 1 Press and hold  **END**.



NOTE

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

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

- 1 To access the menu in idle mode, press **OK** [MENU].
- 2 Use the Navigation Key to scroll through the menu.
- 3 To return to the previous page, press **CLR** . To exit the current menu and return to idle mode, press  **END**.
- 4 Press the Navigation Key to enter a function when its main page is displayed or press its assigned number to have direct access to the function.



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

BASIC OPERATION

MENU SUMMARY

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
1. Media Gallery	1. Sounds 2. Images		
2. Recent Calls	1. Missed 2. Received 3. Dialed 4. All 5. View Timers		
3. Phone Settings	1. Language 2. Set Shortcut Key 3. Location 4. Security 5. Network Options	1. Left key 2. Up key 3. Right key 4. Down key 5. Reset All 1. Restore Settings 2. Erase All Contacts 3. Edit Code 4. Lock Mode	
4. Settings	1. Display 2. Calls	1. Banner 2. Backlight 3. Wallpaper 4. Color Themes 5. Number On Start-up 6. Contrast 1. In-Call Sounds 2. Answer Options 3. Dial Fonts 4. Auto Retry 5. TTY Mode	1. Personal 2. ERI Banner 1. Display 2. Keypad 1. Main LCD 2. Sub LCD 1. Minute Beep 2. Call Connect 3. Call Disconnect

MENU SUMMARY

BASIC OPERATION

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
	3. Sounds	1. Call Ringtone 2. Call Vibrate 3. Alert Sounds 4. Keypad Volume 5. Power On/Off 6. Roaming Indicator	1. Download Ringtone 2. Predefine Ringtone 1. TXT Message 2. Voicemail Msg 1. Power On 2. Power Off
5. Contacts	1. New Contact 2. Contact List 3. Groups 4. Speed Dials		
6. Tools	1. Calculator 2. Schedule 3. Alarm Clock		
7. Phone Info	1. My Number 2. SW Version 3. Icon Glossary		
8. Messaging	1. New TXT Msg 2. Inbox 3. Sent 4. Drafts 5. Voicemail (Left Soft Key) Settings	1. Auto Save 2. Auto Erase 3. Quick Text 4. Voicemail 5. Entry Mode 6. Callback # 7. Signature 8. Auto View	

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
	(Right Soft Key) Settings	1. Erase Inbox 2. Erase Sent 3. Erase Drafts 4. Erase All	
9. Emergency Contacts	1. Emergency Contact 1 2. Emergency Contact 2 3. Emergency Contact 3		

■ MAKING A CALL



❶ Enter a phone number.



To modify the phone number you have entered:

- Erase one digit at a time by pressing **CLR** .
- Erase the entire number by pressing and holding **CLR** .

❷ Press **SEND**.



- 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 for the number of times you have selected. (refer to page 55).
- When you place or receive a call from stored phone numbers, the name will be displayed. If there is no name in the contact's name field, the phone number is displayed.

❸ To end a call, press **END** .

■ ANSWERING A CALL

- 1 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 number key.)



To ignore incoming calls and silence the ringer, press **[IGNORE]**.

- 2 To end the call, press **END**.

■ SPEAKERPHONE

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

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

■ CALLER ID

Identifies callers by displaying their phone number. If the caller's name and number are already stored in your phone book, the name will be displayed.



The caller ID information is stored in Recent Calls.

■ 3-WAY CALLING

With 3-Way Calling, you can talk to two people at the same time. When using this feature, normal airtime rates will apply to both of the calls.



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



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

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.



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.

■ ADJUSTING MASTER VOLUME

Adjust the volume of the master volume.

- 1 In idle mode, press up or down side volume key.
- 2 Select one of the following options, press **OK** [OK] to save it.

- All Sounds Off
- Alarms Only
- Vibrate Only
- Low / Med Low / Med / Med High / High



- Move the Navigation Key up or down to adjust Earpiece volume during a call.
- Move the Side Volume Key up or down to adjust Earpiece volume during a call.

■ WAIT/2-SEC PAUSE

Pauses are used for automated systems (i.e., voice mail, calling cards). Insert a pause after a phone number then enter another group of numbers. If "2-Sec Pause" selected, after 2 second is dialed automatically after the pause. If "Wait" selected, press **SEND** is dialed automatically after the wait. This feature is useful for dialing into systems that require a code.



- 1 To insert a pause, enter a phone number then press **:** [OPTIONS]. Select either a 2-Sec Pause ("P" appears) or a Wait ("W" appears).
- 2 Press **SEND** to dial or **:** [SAVE] to store.



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

■ AVAILABLE OPTIONS DURING A CALL

To display menu options during a call, press **:** [OPTIONS].

MUTE (UNMUTE)

The caller cannot hear you or any sounds from your side but you can still hear them.

Press **:** [MUTE].

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

SEND MSG

Enables you to send a message while on a call.

Press **:** [OPTIONS] **1** .

CONTACTS

Enables you to review your contacts list while on a call.

Press **:** [OPTIONS] **2** .

RECENT CALLS

Enables you to review the all calls list while on a call.

Press **:** [OPTIONS] **3** .

BASIC OPERATION

MAKING AN
EMERGENCY CALL

This 911 feature puts the phone in the Emergency Call Mode when you dial the preprogrammed emergency number, 911.



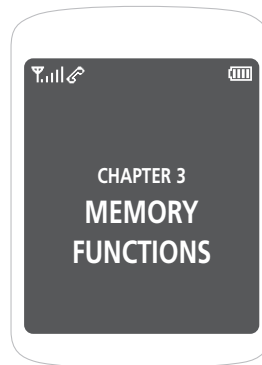
■ 911 USING ANY AVAILABLE SYSTEM

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

- ❶ Enter "911" and press **SEND**.
- ❷ The call connects.
- ❸ The phone maintains the 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. However it can only make calls to the emergency number.



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



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.

- 1 Enter phone # then press **:** [SAVE] then choose "Create New" or "Update Existing". Press **OK** [OK] to select.
- 2 If "Create New" is selected, the phone number will appear above a list. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press **OK** [OK] to select. If "Update Existing" is selected, your contact list is displayed. Choose the entry to add the phone number to, then press **OK** [OK]. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press **OK** [OK] to select.
- 3 Enter a name.
Please refer to page 31 for more details on entering letters, numbers & symbols.
To change the input mode, press **:** [Abc].
Press the Navigation Key down to select other options (Mobile1.2, E-mail1.2, etc...).
If you entered a phone number, press **:** [OPTIONS] to select one of the following options:

- Set speed dial
- Save as default
- Add Pause

- 4 To store the entry, press **OK** [SAVE].
"CONTACT SAVED" will be displayed.

The input mode (Alpha editor) will automatically be activated when necessary to enter letters and numbers. As shown below, there are 5 available modes ; Standard input mode (Abc) and standard all capitals (ABC), T9Word input mode (Word), Numeric mode (123), and symbol mode (Symbols).

The input mode indicator appears on the upper right of the display when letters and numbers are entered. To select the desired input mode among the 5 modes below, press **:** [Abc], then enter letters and numbers.

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]
0 ↺	Next Press to view the next matching word if the highlighted word is not the word you intended in Word input mode.
# ↵	Space Press to accept a word and add a space.
* ↵+	Caps Lock Press to select a letter case of the standard text input or T9 text input mode. [Abc], [ABC] and [abc] indicate the standard text input. [Word], [WORD] and [word] indicate the predictive text input. Press and hold to change mode.
CLR ↵)	Clear Press to delete a character to the left of the cursor.
OK	OK Confirm the letters and numbers you entered.

MEMORY FUNCTIONS

ENTERING LETTERS, NUMBERS & SYMBOLS

■ STANDARD INPUT MODE

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

- 1 Enter letters using the key pad as follows:

Key Pad	Press 1 Time	Press 2 times	Press 3 times	Press 4 times	Press 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

Press **1**  to select the symbol you want to enter with the Navigation Key or press the corresponding numeric keys. To change the input mode, press **:** [Abc].

- 2 To enter a space, press **#** . The cursor will automatically move to the next column.
- 3 Repeat until letters are entered.
- 4 To delete one digit, press **CLR** . If you press and hold **CLR** , it will delete the entire entry, and entire numbers.
- 5 To change from lowercase to uppercase, press ***** .

ENTERING LETTERS, NUMBERS & SYMBOLS

MEMORY FUNCTIONS

■ WORD INPUT MODE

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

- 1 Select the Word mode by pressing **:** [Abc], scroll down to Entry Mode and select "Word", press **OK** [OK].
- 2 Press a digit key once to enter the character you want then enter all the characters to input the word you want.
- 3 To view the next matching word, press **0** .
- 4 To accept the matching word and enter a space, press **#** .



To enter a compound word:

- Enter the first part of the word then press  to accept it.
- Enter the last part of the word then press **#**  to enter the word.

MEMORY FUNCTIONS

ENTERING LETTERS, NUMBERS & SYMBOLS

■ NUMERIC MODE

Allows you to enter numbers.

- 1 Select the Numeric mode by pressing **:** [OPTIONS], scroll down to Entry Mode and select "123", press **OK** [OK].
- 2 To enter a number, press a digit key.

■ SYMBOL MODE

Allows you to enter symbols.

- 1 Select the Symbol mode by pressing **:** [OPTIONS], scroll down to Entry Mode and select "Symbols", press **OK** [OK].
- 2 Select the symbol you want to enter with the Navigation Key or press the corresponding numeric keys.

MAKING A CALL FROM THE PHONE BOOK

MEMORY FUNCTIONS

■ ONE-TOUCH/TWO-TOUCH DIALING

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

ONE-TOUCH DIALING:

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

TWO-TOUCH DIALING:

10-22, 97, 98, 99: Press the first digit and second digits of the memory number short and long respectively.



If no phone number is stored in the location entered, "UNASSIGNED LOCATION" will appear on the screen.



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

MEDIA GALLERY
RECENT CALLS
PHONE SETTINGS
SETTINGS
CONTACTS
TOOLS
PHONE INFO
MESSAGING
EMERGENCY CONTACTS

■ MEDIA GALLERY



SOUNDS

This menu shows the list of downloaded ringtones.

- 1 Press **OK** [MENU] **1** **1** .
- 2 To play downloaded sounds, select the sound you want to play, then press **OK** [PLAY].
You want to assign then press **:** [SET].

IMAGES

This menu shows the list of downloaded images.

- 1 Press **OK** [MENU] **1** **2** abc .
- 2 To view downloaded image, scroll through the list and press **OK** [VIEW].
You want to assign then press **:** [SET].

■ MISSED

Displays information about the 90 most recently missed calls.

Place a call to a missed call number by simply pressing **SEND** .



- 1 To see a list of the 90 most recently missed calls, press **OK** [MENU] **2** abc **1** . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view missed call details, press **OK** [OPEN].



Call details include date, time and phone number.

- 3 Press **:** [MESSAGE] to send the TXT message.
Press **:** [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **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.



After 90 missed calls, the oldest call will automatically be erased from the history.

■ RECEIVED

Displays information about the 90 most recently answered calls.

Place a call to a received call by simply pressing **SEND**.



- 1 To see a list of the 90 most recently answered calls, press **OK** [MENU] **2** *abc* **2** *abc*. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view received call details, press **OK** [OPEN].



Call details include date, time and phone number.

- 3 Press **:** [MESSAGE] to send the TXT message.
Press **:** [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a received calls listing.
- **Lock/Unlock:** To lock or unlock a received calls listing.
- **Erase All:** To erase all received calls listings.
- **View Timers:** To display usage time.



After 90 received calls, the oldest call will automatically be erased from the history.

■ DIALED

Displays information about the 90 most recently dialed numbers.

Place a call to a dialed call by simply pressing **SEND**.



- 1 To see a list of the 90 most recently dialed numbers, press **OK** [MENU] **2** *abc* **3** *def*. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view dialed call details, press **OK** [OPEN].



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

- 3 Press **:** [MESSAGE] to send the TXT message.
Press **:** [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a dialed calls listing.
- **Lock/Unlock:** To lock or unlock a dialed calls listing.
- **Erase All:** To erase all dialed calls listings.
- **View Timers:** To display usage time.



After 90 dialed calls, the oldest call will automatically be erased from the history.

■ ALL CALLS

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



- 1 To see a list of the 270 most recent received, dialed and missed calls, press **OK** [MENU] **2** abc **4** ghi . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view details, press **OK** [OPEN].



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

- 3 Press **:** [MESSAGE] to send the TXT message.
Press **:** [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a recent calls listing.
- **Lock/Unlock:** To lock or unlock a recent calls listing.
- **Erase All:** To erase all recent calls listings.
- **View Timers:** To display usage time.



After the 270 received, dialed or missed calls, the oldest call will automatically be erased from the history when a new call is added.

■ VIEW TIMERS

Tracks the usage time to help you manage your calls within the limit you set.

The 4 timers include (Last Call, All Calls, Received Calls, Dialed Calls):



- 1 Press **OK** [MENU] **2** abc **5** jkl .
- 2 "Last Call", "All Calls", "Received Calls", "Dialed Calls" is selected with Navigation Key.

To reset the timer, press **:** [RESET], then select "Yes", press **OK** [OK].

To reset all timer, press **:** [RESET ALL], then select "Yes", press **OK** [OK].

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

PHONE SETTINGS

Allows you to customize the phone settings.



LANGUAGE

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

- 1 Press **OK** [MENU] **3** ^{def} **1** [@].
- 2 Select one of the following options with the Navigation Key.

- English
- Español

- 3 Press **OK** [OK] to save it.

SET SHORTCUT KEY

Your phone offers you the option of assigning a shortcut key (Up, Down, Left, Right Navigation Key) to a favorite or often-used function. To assign a shortcut to the key:

- 1 Press **OK** [MENU] **3** ^{def}.
- 2 Select **1** [@] "Left Key", **2** ^{abc} "Up Key", **3** ^{def} "Right Key" or **4** ^{ghi} "Down Key".

- 3 Select one of the following options with the Navigation Key, press **OK** [OK] to save it.

- Images / Sounds / Inbox / Settings / Alarm Clock / Calculator / Calendar

- 4 To reset all already set shortcut key, press **5** ^{jkl} "Reset All", then select "Yes", press **OK** [OK].

LOCATION

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

- 1 Press **OK** [MENU] **3** ^{def} **3** ^{def}.
- 2 Select one of the following options 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.

- 3 Press **OK** [OK] to save it.

SECURITY

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

RESTORE SETTINGS

Resets phone to default settings.

- 1 Press **OK** [MENU] **3** ^{def} **4** ^{ghi} **1** [@] then enter "Password", press **OK** [OK]. The default password is the last 4 digits of your phone number.
- 2 A message, asking for your confirmation, will appear as following. "Reset all Settings to default?", then select "Yes", press **OK** [OK].
- 3 Your phone will reset all settings to the factory defaults.

ERASE ALL CONTACTS

To clear all Phone Book entries.

- ① Press **OK** [MENU] **3** ^{def} **4** ^{ghi} **2** ^{abc} then enter "Password", press **OK** [OK]. The default password is the last 4 digits of your phone number.
- ② A message, asking for your confirmation, will appear as following. "Erase All Contacts?", then select "Yes", press **OK** [OK].
- ③ Your phone will erase all contact entries.

Since the data cannot be retrieved once it is erased, a warning will appear on the display before erasing everything.

EDIT CODE

Changes your 4-digit password.

- ① Press **OK** [MENU] **3** ^{def} **4** ^{ghi} **3** ^{def} then enter "Password", press **OK** [OK]. The default password is the last 4 digits of your phone number.
- ② Enter a "New Code" then press .
- ③ Enter a "Confirm Code" then press **OK** [OK] to save it.

LOCK MODE

Prevents the phone from being used without entering the password first.

- ① Press **OK** [MENU] **3** ^{def} **4** ^{ghi} **4** ^{ghi} then enter "Password", press **OK** [OK]. The default password is the last 4 digits of your phone number.
- ② Select one of the following options with the Navigation Key.

- **Lock:** Lock the phone now.
- **Unlock:** Do not lock the phone.
- **On Power Up:** Do not lock the phone now, but automatically lock phone when power is recycled.

- ③ Press **OK** [OK] to save it.

NETWORK OPTIONS**NAM SELECT**

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

- ① Press **OK** [MENU] **3** ^{def} **5** ^{jkl} **1** [@].
- ② Select one of the following options with the Navigation Key.

- **NAM 1 - Verizon**
- **NAM 2 - Verizon**

- ③ Press **OK** [OK] to save it.

SYSTEM SELECT

Selects the Preferred System.

- ① Press **OK** [MENU] **3** def **5** jkl **2** abc .
- ② Select one of the following options with the Navigation Key.

- Automatic B
- Automatic A
- Home Only

- ③ Press **OK** [OK] to save it.

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

■ DISPLAY

Allows you to customize the displays.

**BANNER**

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

PERSONAL

The text greeting can be up to 20 characters and is displayed on your phone's screen in standby mode.

- ① Press **OK** [MENU] **4** ghi **1** @ **1** @ **1** @ .
- ② Enter a new personal greeting.
To change the input mode, press **:** [Abc].
- ③ Press **OK** [OK] to save it.

ERI BANNER

- ① Press **OK** [MENU] **4** ghi **1** @ **1** @ **2** abc .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

BACKLIGHT

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

DISPLAY

- ① Press **OK** [MENU] 4 ghi 1 @ 2 abc 1 @ .
- ② Select one of the following options with the Navigation Key.

- 7 Seconds
- 15 Seconds
- 30 Seconds
- Always On

- ③ Press **OK** [OK] to save it.

KEYPAD

- ① Press **OK** [MENU] 4 ghi 1 @ 2 abc 2 abc .
- ② Select one of the following options with the Navigation Key.

- 7 Seconds
- 15 Seconds
- 30 Seconds
- Always On
- Always Off

- ③ Press **OK** [OK] to save it.

WALLPAPER

To set your phone to display it when the phone is in standby mode.

- ① Press **OK** [MENU] 4 ghi 1 @ 3 def .
- ② To display full screen image, scroll through the list and press : [VIEW].
You want to assign then press **OK** [OK].

COLOR THEMES

To select main display color.

- ① Press **OK** [MENU] 4 ghi 1 @ 4 ghi .
- ② Select one of the following options by pressing the Navigation Key.

- Default
- Tropical
- Business
- Blue

- ③ Press **OK** [OK] to save it.

NUMBER ON STARTUP

- ① Press **OK** [MENU] 4 ghi 1 @ 5 jkl .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

CONTRAST

To adjust the display contrast.

- ① Press **OK** [MENU] **4** ghi **1** @ **6** mno .
- ② Select "Main LCD" or "Sub LCD" with the Navigation Key.
- ③ Select one of the following options by pressing the Navigation Key.

- 1
- 2
- 3
- 4
- 5

- ④ Press **OK** [OK] to save it.

CALLS

Allows you to customize the call settings.

**IN-CALL SOUNDS**

Your phone can alert you with an audible tone when once a minute during a voice call, or for connect or disconnect calls.

MINUTE BEEP

To sets a minute reminder that beeps ten seconds before the end of each minute during a call.

- ① Press **OK** [MENU] **4** ghi **2** abc **1** @ **1** @ .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

CALL CONNECT

Notifies you that a call has been successfully placed.

- ① Press **OK** [MENU] **4** ghi **2** abc **1** @ **2** abc .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

CALL DISCONNECT

Notifies you that a call has been unsuccessfully placed.

- ① Press **OK** [MENU] 4 ghi 2 abc 1 @ 3 def .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

ANSWER OPTIONS

To allows you to specify how you want to answer calls.

- ① Press **OK** [MENU] 4 ghi 2 abc 2 abc .
- ② Select one of the following options with the Navigation Key.

- Send Only
- Flip Open
- Any Key
- Auto Answer

- ③ Press **OK** [OK] to save it.

DIAL FONTS

To select the size of the dial font to appear in display.

- ① Press **OK** [MENU] 4 ghi 2 abc 3 def .
- ② Select "Normal" or "Large" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

AUTO RETRY

To sets automatically redials a call up to 5 times after a set time interval.

- ① Press **OK** [MENU] 4 ghi 2 abc 4 ghi .
- ② Retry time field is shown. Press the Navigation Key to choose the amount of time.

- Off
- 3 SECS
- 5 SECS
- 7 SECS
- 10 SECS

- ③ When a time is chosen for retry time, the repeat field is shown. Press the Navigation Key down to highlight the repeat field. Press the Navigation Key to choose the number of repeats.

- 1 Time
- 3 Times
- 5 Times

- ④ Press **OK** [OK] to save it.

TTY MODE

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

- 1 Press **OK** [MENU] **4** ghi **2** abc **5** jkl .
- 2 Select one of the following options with the Navigation Key.

- TTY Full
- TTY Talk
- TTY Hear
- TTY Off

- 3 Press **OK** [OK] to save it.

SOUNDS

Allows you to customize the sound settings.



CALL RINGTONE

To select a ring type for incoming calls.

- 1 Press **OK** [MENU] **4** ghi **3** def **1** @ .
- 2 Select “Download Ringtone” or “Predefine Ringtone” with the Navigation Key.

- **Download Ringtone:** To select a downloaded right to your phone.
- **Predefine Ringtone:** To select a variety of standard ring types and familiar music.

- 3 Select your desired ring type.
To play ringtone, select the ringtone you want to play, then press **:** [PLAY].
- 4 You want to assign then press **OK** [OK].

CALL VIBRATE

Your phone has a built-in vibrating alert so you can receive calls or message silently.

- 1 Press **OK** [MENU] **4** ghi **3** def **2** abc .
- 2 Select “On” or “Off” with the Navigation Key.
- 3 Press **OK** [OK] to save it.

ALERT SOUNDS

To select type of sound you will hear when you receive an incoming TXT message or voicemail message.

TXT MESSAGE

To select a ringer type for receiving TXT Message.

- ① Press **OK** [MENU] **4** ghi **3** def **3** def **1** @ .
- ② Select "Tone" or "Vibrate" with the Navigation Key and then select one of the following options by pressing the Navigation Key.

- **Tone:** Select your desired ringer type. To play ringtone, select the ringtone you want to play, then press : [PLAY].
- **Vibrate:** Select "On" or "Off" with the Navigation Key.

- ③ Press **OK** [OK] to save it.

VOICEMAIL MSG

To select a ringer type for receiving Voicemail Message.

- ① Press **OK** [MENU] **4** ghi **3** def **3** def **2** abc .
- ② Select "Tone" or "Vibrate" with the Navigation Key and then select one of the following options by pressing the Navigation Key.

- **Tone:** Select your desired ringer type. To play ringtone, select the ringtone you want to play, then press : [PLAY].
- **Vibrate:** Select "On" or "Off" with the Navigation Key.

- ③ Press **OK** [OK] to save it.

KEYPAD VOLUME

To select a keypad tone you will hear when you press a key.

- ① Press **OK** [MENU] **4** ghi **3** def **4** ghi .
- ② Select one of the following options with the Navigation Key.

- High
- Med High
- Med
- Med Low
- Low

- ③ Press **OK** [OK] to save it.

POWER ON/OFF

To set a start-up/power-off tone:

POWER ON

To allows you to activate/deactivate the power on tones.

- ① Press **OK** [MENU] **4** ghi **3** def **5** jkl **1** @ .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

POWER OFF

To allows you to activate/deactivate the power off tones.

- ① Press **OK** [MENU] **4** ghi **3** def **5** jkl **2** abc .
- ② Select "On" or "Off" with the Navigation Key.
- ③ Press **OK** [OK] to save it.

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 **OK** [MENU] **4** ghi **3** def **6** mno .
- 2 Select "On" or "Off" with the Navigation Key.
- 3 Press **OK** [OK] to save it.

Menu -> Settings -> Display -> Banner -> ERI Banner must be set for "ON" for smooth operation of all the functions.

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 contact entry.



- 1 To add a new entry to the phone book, press **OK** [MENU] **5** jkl **1** @ .
- 2 To enter a name or number, use the Navigation Key to select the contact fields.

- **Contact Fields:** Name/Mobile1/Home/Work/E-mail1/Group/Ringtone/Mobile2/Fax/E-mail2.



NOTE

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

- 3 To save the entry, press **OK** [SAVE].
To return to the previous page, press **CLR** ⏮ .



NOTE

If only a phone number is entered and the name field is left blank, the contact will still be saved and the Contact List will display the phone number.

■ CONTACT LIST

Retrieves an entry by name and number, and calls the number by simply pressing **SEND**. You can review all the entries stored in your phone book list or find an entry quickly by entering all or part of a name.



- 1 Press **OK** [MENU] **5** jkl **2** abc .
- 2 The list of names in your phone book is displayed alphabetically.
- 3 Enter a name or part of a name or scroll through the list with the Navigation Key. Please refer to page 31 for more details on entering letters, numbers & symbols.
- 4 All matching entries will be displayed. Highlight an entry. Press **OK** [VIEW] to view the entry. Press **:** [EDIT] to edit the entry. Press **:** [OPTIONS] to 1. New Contact, 2. Erase, 3. Send TXT Msg, 4. Call or 5. Erase All
- 5 To call the selected number, press **SEND** or press **:** [OPTIONS] and select "Call".

■ GROUPS

Allows you to classify phone entries into as many as 30 groups. Existing group names include Family and Work and can't be renamed or erased, however the user can create up to 28 additional group names which can be changed or deleted. The user can add up to 10 phone numbers per group.



ADD NEW GROUP

- 1 To add a new group, press **OK** [MENU] **5** jkl **3** def . A maximum of 30 groups is allowed.
- 2 Press **:** [NEW].
- 3 Input a new group name.
- 4 Press **OK** [SAVE] to save it.

ASSIGN PHONE NUMBER TO GROUP

- 1 Press **OK** [MENU] **5** jkl **3** def . Select an existing group name with the Navigation Key, press **OK** [VIEW].
- 2 Press **OK** [ADD].
- 3 Your phone book entries will be displayed in alphabetical order. Select the contact with the press **OK** [MARK] or press **:** [MARK ALL].

- 4 Press **:** [DONE]. "CONTACT ADDED TO GROUP" will be displayed. Repeat for each location for the Group.

CHANGE GROUP NAME

- 1 Press **OK** [MENU] **5** jkl **3** def . Select an existing group name that you have added with the Navigation Key.
- 2 Press **:** [OPTIONS] to select "Rename".
- 3 Input a new group name.
- 4 Press **OK** [SAVE] to save it.



The default group names (Family, Work) cannot be changed.

ERASE GROUP

- 1 Press **OK** [MENU] **5** jkl **3** def . Use the Navigation Key to select, then delete the group.
- 2 Press **:** [OPTIONS] to select "Erase Group".
- 3 "Erase Group?" will be displayed, select "Yes" to erase it.



The default group names (Family, Work) cannot be erased.

SEND MSG TO A GROUP

- 1 Press **OK** [MENU] **5** jkl **3** def . Select an existing group name with the Navigation Key.
- 2 Press **:** [OPTIONS] to select "Send TXT Msg".
- 3 Input a Message, press **:** [OPTIONS] to select "Add Graphics", "Add Sound", "Add Format Text" and "Quick Text".
- 4 To send the text message, press **OK** [SEND].

To save the text message, press **:** [OPTIONS], then select "Save as Draft", then press **OK** [OK].

To set priority level, press **:** [OPTIONS], then select "Priority", then select "Normal" or "High", then press **OK** [OK].

To cancel message, press **:** [OPTIONS], then select "Cancel Msg", then select "Yes", message is saved in the drafts box.



Please refer to page 74 for more details on "New TXT Msg".

■ 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, then press and hold the second number.



- 1 Press **OK** [MENU] **5** jkl **4** ghi .
- 2 To assign a phone number to a location, select the location and press **OK** [SET].
 - If a phone number is already assigned to the location, to view details, press **:** [VIEW] or press **:** [REMOVE], "Remove speed dial?" will be displayed, select "Yes" to remove it.
 - "Unassigned" appears if the location is available.
- 3 Select the entry with the Navigation Key and press **OK** [OK].
- 4 Select phone number with the Navigation Key and press **OK** [OK].
- 5 "SPEED DIAL SET" will be displayed.



To call an assigned number, press & hold the last digit of the speed dial #.

■ CALCULATOR

To access the calculator:



- 1 Press **OK** [MENU] **6** mno **1** .
- 2 Follow the instructions below to calculate $8 \times 6 / 4 - 2.5$
 - Input 8.
 - Press the Navigation Key rightward (*).
 - Input 6.
 - Press the Navigation Key leftward (/).
 - Input 4.
 - Press the Navigation Key downward (-).
 - Input 2 and press ***** **+** the to input (.).
 - Press 5, **OK** .
 - Answer appears on the right side of the grey box below calculation.
- 3 To reset, press **:** [CLEAR].



- To change the displayed number from positive (+) to negative (-) and vice versa, press **#** **=** [.] .
- Press **:** [OPERATOR] to use parenthesis and "Exponent".

SCHEDULE

Sets an event and reminds you of that event.

**ADD NEW PLAN**

- 1 Press **OK** [MENU] **6** mno **2** abc .
- 2 Move the Navigation Key left, right, up or down to choose a date in the calendar and then press **OK** [OK]. Press **:** [OPTIONS] to 1. Weekly View, 2. Add, 3. Go To Date, 4. Erase Passed or 5. Erase All.
- 3 To set a new event, press **:** [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 **:** to select "am" or "pm".

END TIME

Use the keypad to set an end time and **:** to select "am" or "pm".

START DATE

Use the keypad to change or enter the start date.

TIME ZONE

Use the Navigation Key to select a time zone, press **OK** [SET]. (EST, EDT, CST, CDT, MST, MDT, PST, PDT, AKST, AKDT, HAST, HADT, GMT/UTC).

RECURRENCE

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

BY COUNT

Use the keypad to enter an account.

END DATE

Use the keypad to change or enter the end date.

ALERT

Use the keypad to 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 Minutes, 5 Minutes, 10 Minutes, 15 Minutes).

- 4 Press **OK** [SAVE], then select "Yes" to save it or press **CLR**  to return to the calendar.
- 5 The date of the event will be marked on your calendar.

VIEW PLAN LIST

To view the Calendar List:

- 1 Move the Navigation Key to choose an event and then press **OK** [VIEW]. Press **:** [OPTIONS] to 1. Monthly View, 2. Weekly View, 3. Add, 4. Go To Date, 5. Erase, 6. Erase Today or 7. Erase Passed.

■ ALARM CLOCK

- 1 To display alarm entries, press **OK** [MENU] **6 mno** **3 def**.
- 2 Select one of the entries using the Navigation Key.
To set a new alarm, choose alarm 1, 2 or 3.
To edit an existing alarm, select that alarm.
Press **OK** [OK].

- 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 **:** to select "am" or "pm".

FREQUENCY

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

RINGER

Press **OK** [SET], to use the keypad to select the alert tone you wish to set.

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

■ PHONE INFO

**MY NUMBER**

Displays your phone number.

- 1 Press **OK** [MENU] **7** pqrs **1** @ .
- 2 You will see the MDN/MIN.
- 3 To return to the previous page, press **OK** [OK].

SW VERSION

Displays the (Software/PRL/ERI) version.

- 1 Press **OK** [MENU] **7** pqrs **2** abc .
- 2 You will see the version of software and other software versions.
- 3 To return to the previous page, press **OK** [OK].

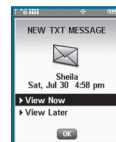
ICON GLOSSARY

Displays the Indicator Icons of your cellular telephone.

- 1 Press **OK** [MENU] **7** pqrs **3** def .
- 2 You should see a list of the Indicator Icons of your cellular telephone with a short label or description.
- 3 To return to the previous page, press **OK** [OK].

■ WHEN A NEW MESSAGE ARRIVES

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



■ VOICE MAIL

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



- 1 To access your voice mail, press **OK** [MENU] **8** tuv **5** jkl or **:** **5** jkl .

FIRST TIME USER

- 1 Dial *86 and press **SEND** .
- 2 At the recording, press **#** 123 .
- 3 Follow the voice tutorial to set up your account.

EXISTING USER

- 1 Dial *86 and press **SEND**.
- 2 At the recording, enter your 4 digit password, then press **#** **.**
- 3 To listen to new messages, press **1** **.**

■ NEW TXT MSG

To send a new TXT message:



- 1 Press **OK** [MENU] **8** *tuv* **1** or **:** **1** .
- 2 Under "To", input the phone number and press .

- By pressing **:** [ADD], you can choose from the following:
 1. **From Contacts:** Search for a phone number 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. **Number To Contacts:** To store the phone number in contacts.

- 3 Under text filed, input a new text message.
(Please refer to page 33 for more details on entering letters, numbers and symbols.)

- By pressing **:** [OPTIONS], you can choose from the following:
 1. **Save As Draft:** To save message in draft folder.
 2. **Add Graphic:** Inserts simple graphic images in Text Msg.
 3. **Add Sound:** Inserts EMS sound in Text Msg.
 4. **Add Format Text:** To choose from the following:
 - Default:** Reset to default text setting.
 - Font Size:** To select "Small", "Normal" or "Large".
 - Font Style:** To select "Bold", "Italic", "Underline" or "Strokeline".
 - Text Colour:** To select one of the pre-installed 16 text colours.
 - Text Back Colour:** To select one of the pre-installed 16 text back colours.
 5. **Quick Text:** Inserts already written sentences in Text Msg.
 6. **Priority:** To select "Normal" or "High".
 7. **Cancel Msg:** To cancel message.



- 4 To send the text message, press **OK** [SEND].

- If one of the fields is inserted in text msg field, the message is saved in the draft box.
- Input at least one text msg field to save in the draft box.

INBOX

The Inbox manages received Text messages. To access:



- ① Press **OK** [MENU] **8** tuv **2** abc or **:** **2** abc .
- ② Select a message and press **OK** [OPEN].
The message is displayed.
- ③ To erase a received message **:** [ERASE].
Pressing **:** [OPTIONS], the user can choose from the following:

REPLY

Type your reply and then press **OK** [SEND].

REPLY W. COPY

- ① To reply to a received message and include the received message into the message.
- ② Select to reply with the original message included.
- ③ The default call back number is automatically included in the Default CB# field.
- ④ To send the text message, press **OK** [SEND].

FORWARD

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

LOCK & UNLOCK

Select "Lock" to lock the message or "Unlock" to unlock the message.

SAVE GRAPHICS

To save a graphic image. This option is only available if you are reading an enhanced (EMS) text message. It will not display in a standard text message.

SAVE SOUND

To save a sound file. This option is only available if you are reading an enhanced (EMS) text message. It will not display in a standard text message.

ADD TO CONTACTS

To save number to contacts.

ERASE INBOX

To erase all the inbox messages, select "Erase Inbox" and then select "Yes", press **OK** [OK].

MESSAGE INFO

To show received text message information.

■ SENT

Manages sent TEXT messages or messages waiting to be sent.



- ① Press **OK** [MENU] **8** tuv **3** def or **:** def **3** def .
- ② Select a message and press **OK** [VIEW].
The message is displayed.
- ③ To erase a sent message **:** [ERASE].
Pressing **:** [OPTIONS], the user can choose from the following:

FORWARD

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

RESEND

Select to resend a TXT message.

LOCK & UNLOCK

Select "Lock" to lock the message or "Unlock" to unlock the message.

ADD TO CONTACTS

To save number to contacts.

MESSAGE INFO

To show received text message information.

■ DRAFTS

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.



- 1 Press **OK** [MENU] **8** tuv **4** ghi or **:** **4** ghi .
- 2 Select a message and then press **OK** [EDIT].
The message is displayed.
- 3 To erase a draft message **:** [ERASE].
Pressing **:** [OPTIONS], the user can choose from the following:

SEND

To send a selected message.

LOCK & UNLOCK

Select "Lock" to lock the message or "Unlock" to unlock the message.

ADD TO CONTACTS

To save number to contacts.

ERASE DRAFTS

To erase all draft messages, select "Erase Drafts" and then select "Yes", press **OK** [OK].

■ ERASE ALL MESSAGE

To erase message.



- ➊ Press **OK** [MENU] **8** tuv **:** or **:** **:**.
- ➋ Select one of the following options with the Navigation Key.

- Erase Inbox
- Erase Sent
- Erase Drafts
- Erase All

- ➌ Select “Yes”, then press **OK** [OK] to erase it.

■ SETTINGS

Manages messaging features through various features.



■ AUTO SAVE

Automatically saves sent messages when new messages send.

- ➊ Press **OK** [MENU] **8** tuv **:** **1** @ or **:** **:** **1** @.
- ➋ Select either “On”, “Off” or “Prompt” with the Navigation Key then press **OK** [OK].

■ AUTO ERASE

Automatically erases inbox/sent messages when new messages arrive.

- ➊ Press **OK** [MENU] **8** tuv **:** **2** abc or **:** **:** **2** abc.
- ➋ Select either “On” or “Off” with the Navigation Key then press **OK** [OK].

QUICK TEXT

To edit the Quick Text message you have saved:

1 Press **OK** [MENU] **8** *tuv* : **3** *def* or : : **3** *def* .

2 Select a message from the list. Press **OK** [OK].

- To add a new Quick Text message, press : [NEW]. Enter text, press **OK** [OK] to save Quick Text.
- To erase the saved Quick Text message, press : [ERASE]. "Erase Quick Text?" will be displayed, select "Yes" to erase it.

3 To edit saved Quick Text, press : [EDIT], enter text, press **OK** [OK] to save Quick Text.

Pre-defined quick text as below:

1. What's up?/2. Let's meet/3. Check this out!/4. Whacha doing?/
5. Thanks/6. What do you think?/7. You've gotta be here to
enjoy this./8. Would you like to join me for a date tonight?/
9. On My Way/10. Yes/11. You're the best!/12.Call Me.

VOICEMAIL

1 Press **OK** [MENU] **8** *tuv* : **4** *ghi* or : : **4** *ghi* .

2 Input a new voicemail number or edit voicemail number. (Default *86)

3 Press **OK** [OK] save it.

ENTRY MODE

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

1 Press **OK** [MENU] **8** *tuv* : **5** *jkl* or : : **5** *jkl* .

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

- Word
- Abc
- ABC
- abc
- 123
- Symbols

3 Press **OK** [OK].

CALLBACK

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

1 Press **OK** [MENU] **8** *tuv* : **6** *mno* or : : **6** *mno* .

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

3 If you select "On", then input a new callback number.

4 Press **OK** [OK].

SIGNATURE

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

- 1 Press **OK** [MENU] **8** *tuv* : **7** *pqrs* or :: **7** *pqrs* .
- 2 To activate Signature function, then select "Custom" by using up or down direction keys. To deactivate Signature function, select "None".
- 3 To input "Signature", enter Signature Edit window by selection "Custom".
- 4 Press **OK** [OK] save it.

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.

- 1 Press **OK** [MENU] **8** *tuv* : **8** *tuv* or :: **8** *tuv* .
- 2 Select "On" or "Off" with the Navigation Key.
 - **On:** Text message displayed automatically.
 - **Off:** Text message displayed by going to the inbox or responding to interactive notification.
- 3 Press **OK** [OK] save it.

EMERGENCY CONTACTS

You can set up to 3 Emergency Number. Stores 3 phone numbers that can be called even in the lock mode.



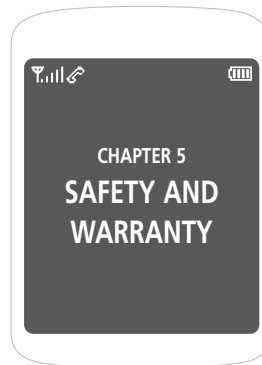
- 1 Press **OK** [MENU] **9** *wxyz* .
- 2 To set a new Emergency Number, choose Emergency Contact 1, 2 or 3. Press **OK** [ADD].
- 3 The contact list appears. Use the Navigation Key to select a contact and then press **OK** [OK].
- 4 To view assigned number, press **OK** [VIEW].
 To edit an existing Emergency Contact, select that entrie, then press **OK** [EDIT]. To edit Emergency Contact. Press **OK** [SAVE] save it.
 To erase assigned number, press :: [REMOVE].
 To call assigned number, press :: [CALL].

- **#BAL/Balance:** #BAL is a VZW Customer Service VRU number (Free call) that provides customers information on their Verizon Wireless billing balance. When a customer calls #BAL/#225 from their mobile phone, once connected (3 seconds or less), the user will have the option to
 - Stay on the line - the VRU system will read balance information in detail, along with some explanation to the user.
 - Hang-up - the VRU system will automatically send user a SMS Message with the balance information to the device.

MENU FUNCTIONS

EMERGENCY CONTACTS

- **#MIN/Minutes Usage:** #MIN is a VZW Customer Service VRU number (Free call) that provides customers information on their Verizon Wireless usage. When the user calls #MIN/#646 from the device and successfully connects to the VRU system, the user will have the option to
 - Stay on the line - the VRU system will read usage information in detail, along with some explanation.
 - Hang-up - the VRU system will automatically send an SMS message with the usage information to the device.
- **#PMT/Payment:** #PMT is A VZW Customer Service VRU number (Free call) that allows user to make a bill payment, either with a payment option they have already set up, or using a new, one time payment option. When the user dials #PMT/#768 from the device, and successfully connects to the VRU system, it (the system) will walk the user through the payment option.



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

PROTECT YOUR WARRANTY

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 CARE

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

1* : American National Standards Institute.

2* : National Council on Radiation protection and measurements.

3* : International Commission on Nonionizing Radiation Protection.

DRIVING SAFETY

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

Also, if using your phone while driving, please:

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

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

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



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

ELECTRONIC DEVICES

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

PACEMAKERS

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

Persons with pacemakers :

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

OTHER MEDICAL DEVICES

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

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

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

OTHER SAFETY GUIDELINES

AIRCRAFT

FCC and Transport Canada Regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

BLASTING AREAS

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

POTENTIALLY EXPLOSIVE ATMOSPHERES

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or 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 Adaptor (2) Battery and (3) Product Using Battery.

- DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
- DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.
- DO NOT expose this equipment to rain or spilled beverages.
- DO NOT use unauthorized accessories.
- DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized Pantech 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. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 2.0 cm. from the body with a belt clip 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 use of accessories 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 scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.43 W/Kg and when worn on the body, as described in this user guide, is 0.889W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The SAR testing for Body-worn operation was performed with a belt clip that provided a 20mm 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 PP4PN-310.

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.

SAFETY AND WARRANTY

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 compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

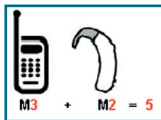
While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

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 happens 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 manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. 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.



FCC HEARING-AID COMPATIBILITY (HAC) REGULATIONS FOR WIRELESS DEVICES

SAFETY AND WARRANTY

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 measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

For information about hearing aids and digital wireless 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



**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 confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

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

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

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

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

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

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

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

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

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

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

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

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

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

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

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

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

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

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

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

10. What about children using wireless phones?

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

11. What about wireless phone interference with medical equipment?

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

12. Where can I find additional information?

For additional information, please refer to the following resources:

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

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

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

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

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) 465-9675

SAFETY AND WARRANTY

12 MONTH LIMITED WARRANTY

Pantech Wireless, Inc. (the Company) warrants to the original retail purchaser of this Pantech handheld portable cellular telephone, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) months period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s).

The antenna, key pad, 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.

12 MONTH LIMITED WARRANTY

SAFETY AND WARRANTY

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

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

In addition, you may telephone us at (800) 962-8622, or email us at HandsetHelp@Pantech.com

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

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

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

SAFETY AND WARRANTY

12 MONTH LIMITED WARRANTY

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.