



CDMA2000



# Flasher OV7



555 Wireless Boulevard • Hauppauge, New York 11788 • USA  
800.229.1235 • [www.audiovox.com](http://www.audiovox.com) • LTCL0M302

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COMBINED USER GUIDE



## USER GUIDE

# User Guide



**CDM-8910**

## WELCOME

Thank you for choosing the CDM-8910. This handset supports many advanced features like T9 text input mode, VR (voice recognition), and the following:

- Full graphic display of 9 text input line and 1 icon line with variable font size.
- Easy to dial through the VR feature.
- Easy to enter letters through the T9 text input mode.
- Enhanced for high-speed Internet access (i.e.; wireless internet access, VirginXL browser)
- CSTN 65K Color LCD.
- Built-in camera with flash, self-portrait mode.
- Voice memo.
- Picture messaging.
- Scheduler, alarm, world clock.
- Navigation key and 25 keys aligned for more convenience.
- Sophisticated features of speakerphone, and voice recognition.
- Text message.
- Three-way calling, call forwarding, call transfer, and call waiting.

## IMPORTANT INFORMATION

This CDM-8910 user guide contains very important information about how to handle and use the product. So please read this manual thoroughly, pay attention to the warranty on the back page and be alert to the exclusions and limitations of your warranty, which are related with the unauthorized use of components.

## TABLE OF CONTENTS

|   |           |
|---|-----------|
| <b>CHAPTER 1. BEFORE USING YOUR PHONE</b> ..... | <b>5</b>  |
| INSIDE THE PACKAGE .....                        | 6         |
| HANDSET DESCRIPTION .....                       | 7         |
| THE FUNCTION KEYS .....                         | 8         |
| DISPLAY INDICATORS .....                        | 9         |
| BATTERY USAGE .....                             | 10        |
| BATTERY INSTALLATION .....                      | 10        |
| BATTERY REMOVAL .....                           | 11        |
| BATTERY CHARGING .....                          | 11        |
| POWER CONNECTION .....                          | 11        |
| BATTERY TALK TIME .....                         | 12        |
| BATTERY STANDBY TIME (FOR NEW BATTERY) .....    | 12        |
| BATTERY HANDLING INFORMATION .....              | 13        |
| DOs.....  | 13        |
| DON'Ts.....                                     | 13        |
| <b>CHAPTER 2. BASIC OPERATION</b> .....         | <b>15</b> |
| TURNING THE PHONE ON / OFF .....                | 16        |
| TURNING THE PHONE ON .....                      | 16        |
| TURNING THE PHONE OFF .....                     | 16        |
| ACCESSING THE MENU .....                        | 17        |
| MENU SUMMARY .....                              | 18        |
| BASIC FUNCTIONS .....                           | 21        |
| MAKING A CALL .....                             | 21        |
| SPEAKERPHONE .....                              | 22        |
| PAUSE FEATURE .....                             | 22        |
| ANSWERING A CALL .....                          | 23        |
| CALLER ID FUNCTION .....                        | 23        |
| CALL WAITING FUNCTION .....                     | 23        |
| ADJUSTING VOLUME .....                          | 24        |
| SILENCER MODE .....                             | 24        |
| DURING A CALL .....                             | 25        |
| MUTE (UNMUTE).....                              | 25        |
| MESSAGING .....                                 | 25        |
| MY PHONE # .....                                | 25        |
| MAKING AN EMERGENCY CALL .....                  | 26        |
| 911.....  | 26        |
| 911 USING ANY AVAILABLE SYSTEM .....            | 26        |
| <b>CHAPTER 3. MEMORY FUNCTION</b> .....         | <b>27</b> |
| STORING A PHONE NUMBER .....                    | 28        |
| ENTERING LETTERS, NUMBERS & SYMBOLS .....       | 29        |
| STANDARD INPUT MODE .....                       | 30        |
| T9 INPUT MODE .....                             | 31        |
| NUMERIC MODE .....                              | 32        |
| SYMBOL MODE .....                               | 32        |
| MAKING A CALL THROUGH THE PHONE BOOK .....      | 33        |
| ONE-TOUCH/TWO-TOUCH DIALING .....               | 33        |
| ONE-TOUCH DIALING .....                         | 33        |
| TWO-TOUCH DIALING .....                         | 33        |
| <b>CHAPTER 4. MENU FUNCTION</b> .....           | <b>35</b> |
| PICTURES .....                                  | 36        |
| TAKE A PICTURE .....                            | 36        |
| TAKING A PICTURE IN IDLE MODE .....             | 36        |
| TAKING A PICTURE THROUGH THE MENU .....         | 36        |
| CAMERA MODE OPTIONS .....                       | 37        |
| MY PICTURES .....                               | 38        |
| SEND PICTURE MSG .....                          | 39        |
| HELP .....                                      | 40        |
| MY ACCOUNT .....                                | 41        |
| CHECKING YOUR ACCOUNT BALANCE .....             | 41        |
| TOP-UP YOUR ACCOUNT .....                       | 41        |

## TABLE OF CONTENTS

|                             |    |
|-----------------------------|----|
| MY STUFF.....               | 42 |
| MY RINGTONES.....           | 42 |
| MY GAMES.....               | 43 |
| MY GRAPHICS.....            | 45 |
| CONTACTS.....               | 46 |
| FIND BY NAME.....           | 46 |
| FIND BY NUMBER.....         | 47 |
| ADD NEW.....                | 48 |
| GROUP.....                  | 48 |
| ADD NEW GROUP.....          | 48 |
| CHANGE GROUP NAME.....      | 49 |
| ERASE GROUP.....            | 49 |
| SPEED DIAL.....             | 50 |
| MSG. GROUP.....             | 51 |
| ADD NEW MSG. GROUP.....     | 51 |
| CHANGE MSG. GROUP NAME..... | 51 |
| SEND TEXT MSG. GROUP.....   | 52 |
| SEND PIC MSG. GROUP.....    | 52 |
| ERASE GROUP.....            | 53 |
| MY PHONE #.....             | 53 |
| RECENT CALLS.....           | 54 |
| ALL CALLS.....              | 54 |
| MISSED CALLS.....           | 55 |
| INCOMING CALLS.....         | 56 |
| OUTGOING CALLS.....         | 57 |
| TOOLS.....                  | 58 |
| VOICE TOOLS.....            | 58 |
| VOICE RECOGNITION MODE..... | 58 |
| VOICE MEMO.....             | 59 |
| VOICE DIAL.....             | 60 |
| TRAIN WORDS.....            | 61 |
| VOICE SETTING.....          | 63 |
| ALARM.....                  | 64 |
| SCHEDULE.....               | 65 |
| ADD EVENT.....              | 65 |
| VIEW EVENT.....             | 66 |
| CALCULATOR.....             | 67 |
| STOPWATCH.....              | 68 |
| WORLD CLOCK.....            | 69 |
| SETTINGS.....               | 70 |
| SOUNDS.....                 | 70 |
| RINGTONES.....              | 70 |
| MSG TONES.....              | 70 |
| VOICEMAIL.....              | 71 |
| VOLUME.....                 | 71 |
| TONE LENGTH.....            | 73 |
| SILENCER MODE.....          | 73 |
| DISPLAY.....                | 74 |
| MENU STYLE.....             | 74 |
| GRAPHICS.....               | 74 |
| SUB SCREEN.....             | 75 |
| GREETING MESSAGE.....       | 75 |
| CONTRAST.....               | 76 |
| BACKLIGHT.....              | 76 |
| CALL OPTIONS.....           | 77 |
| CALL ANSWER.....            | 77 |
| ACTIVE FLIP.....            | 77 |
| AUTO ANSWER.....            | 78 |
| AUTO RETRY.....             | 78 |
| LOCATION.....               | 79 |
| TTY MODE.....               | 79 |
| GAME SETTINGS.....          | 80 |
| BACKLIGHT.....              | 80 |
| VOLUME.....                 | 80 |
| MSG ALERT.....              | 80 |

# Chapter 4

## TABLE OF CONTENTS

|                               |    |
|-------------------------------|----|
| SECURITY.....                 | 81 |
| RESTRICT.....                 | 81 |
| CHANGE CODE.....              | 83 |
| SPECIAL #'S.....              | 83 |
| ERASE ALL.....                | 84 |
| RESET TO DEFAULT SETTING..... | 84 |
| PHONE INFO.....               | 85 |
| S/W VERSION.....              | 85 |
| H/W VERSION.....              | 85 |

|  |           |
|--|-----------|
| <b>CHAPTER 5. VOICE MAIL, TEXT MESSAGING, AND PICTURE MESSAGING.....</b> | <b>87</b> |
| WHEN A NEW MESSAGE ARRIVES.....  | 88        |
| VOICE MAIL.....  | 88        |
| SEND TEXT MSG.....   | 89        |
| SEND PICTURE MSG.....  | 90        |
| INBOX.....   | 91        |
| ERASE.....   | 91        |
| FORWARD.....   | 91        |
| SAVE TO CONTACT.....   | 92        |
| SAVE ATTACHED.....   | 92        |
| SAVE TO SAVED.....   | 92        |
| INFO.....  | 92        |
| VIRGIN ALERTS.....   | 93        |
| VIRGIN ALERTS.....   | 93        |
| OUTBOX.....  | 94        |
| CHECKING SENT TEXT AND PICTURE MESSAGES.....                             | 94        |
| ERASE.....   | 94        |
| SEND TO.....   | 94        |
| SAVE TO CONTACT.....   | 95        |
| SAVE TO SAVED.....   | 95        |
| INFO.....  | 95        |
| SAVED.....   | 96        |
| SAVED.....   | 96        |
| ERASE MSGS.....  | 97        |
| ERASE MESSAGES.....  | 97        |
| MSG SETTINGS.....  | 98        |
| MSG SOUNDS.....  | 98        |
| AUTO TEXT.....   | 98        |
| SAVE TO OUTBOX.....  | 99        |
| AUTO ERASE.....  | 99        |
| INBOX.....   | 99        |
| OUTBOX.....  | 99        |
| ENTRY MODE.....  | 100       |

# Chapter 5

|                                      |            |
|--------------------------------------|------------|
| <b>CHAPTER 6. VIRGINXL.....</b>      | <b>101</b> |
| VIRGINXL.....                        | 102        |
| ACCESSING & NAVIGATING VIRGINXL..... | 102        |

# Chapter 6

|  |            |
|--|------------|
| <b>CHAPTER 7. SAFETY AND WARRANTY.....</b>           | <b>103</b> |
| SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES..... | 104        |
| DRIVING SAFETY.....                                  | 105        |
| ELECTRONIC DEVICES.....                              | 106        |
| OTHER SAFETY GUIDELINES.....                         | 107        |
| PRECAUTIONS.....                                     | 108        |
| SAFETY INFORMATION FOR FCC RF EXPOSURE.....          | 109        |
| CAUTIONS.....  | 109        |
| SAR INFORMATION.....                                 | 110        |
| FDA CONSUMER UPDATE.....                             | 112        |
| PROTECT YOUR WARRANTY.....                           | 116        |
| 12 MONTH LIMITED WARRANTY.....                       | 117        |

# Chapter 7

# Chapter 1

## BEFORE USING YOUR PHONE

This chapter provides important information about using the CDM-8910 including:

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

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

## INSIDE THE PACKAGE

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



Handset



AC Charger



User Manual



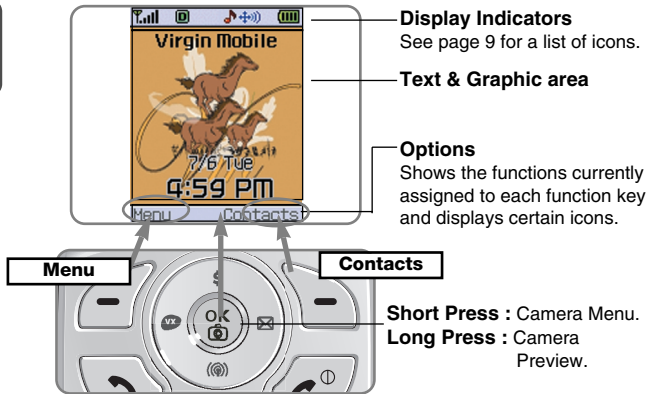
Standard Battery

## HANDSET DESCRIPTION

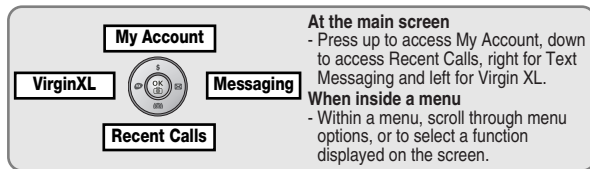
The CDM-8910 weighs 3.7oz. And the dimensions are 1.83" x 4.48" x 0.97".



## HANDSET DESCRIPTION



## THE FUNCTION KEYS



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

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

(Left Option Key) Press to access the menu or the option displayed at the bottom left of your screen.

(Right Option Key) Press to add a new contact or the option displayed at the bottom right of your screen.

Press to clear a letter/number from the display or to return to the previous page. Press and hold to enable speakerphone mode.

Press and hold to enter Silencer mode.

## HANDSET DESCRIPTION

### DISPLAY INDICATORS

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

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

**Text Message**  
Indicates you have a new text message.

**Voice Message**  
Indicates you have a new voice message.

**Text + Voice Message**  
Indicates you have new text + voice messages.

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

**Mute**  
Phone is mute during a call.

**Ringer Off** - Appears when the ringtone feature has been turned off.

**Emergency Call**  
Blinks when an emergency call is in progress.

**Speakerphone**  
Speakerphone is on.

**Silencer Mode**  
Phone will vibrate when call is received.

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

**Ringtone Mode** - Appears when a ringtone has been selected and ring mode is ON.

**High&Vibrate Mode** - Appears when the ringtone mode is set as "High&Vibrate."

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

## BATTERY USAGE



### Digital mode

Phone is operating in digital mode.



### Download Message

This is download notification.



### Download Alert + Text Msg

Phone has a Download Alert and Text Msg.



### Download Alert + Voice Msg

Phone has a Download Alert and Voice Msg.



### Download Alert + Text + Voice Msg - Phone

has Download Alert, Text Msg and Voice Msg.

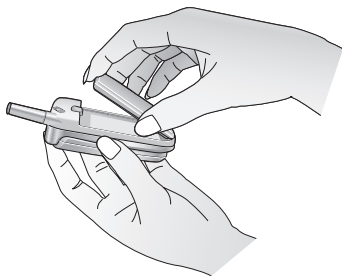


### Internet VirginXL browser

Internet VirginXL browser is currently in use.

## BATTERY INSTALLATION

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

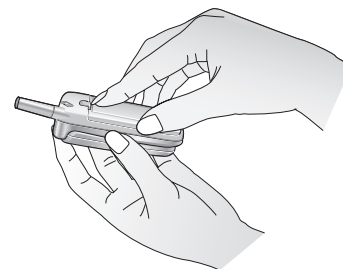


10

## BATTERY USAGE

## BATTERY REMOVAL

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



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

## BATTERY CHARGING

### POWER CONNECTION

- 1 Plug the AC Charger into a standard outlet.
- 2 Plug the other end of the AC Charger into the bottom of your phone. The battery must be properly connected to the phone before charging.



11



## BATTERY USAGE



- When you charge the battery with the phone powered off, you will see a charging status screen.
- The battery is not charged at the time of purchase.
- Fully charge the battery before first use.
- The battery will charge more quickly with the phone turned 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.

### BATTERY TALK TIME

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

| Battery Capacity | PCS           |
|------------------|---------------|
| STD 1000 mAh     | Up to 3 hours |
| EXT 1700 mAh     | Up to 5 hours |

### BATTERY STANDBY TIME (FOR NEW BATTERY)

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

| Battery Capacity | PCS                       |
|------------------|---------------------------|
| STD 1000 mAh     | Up to 190 hours (7 days)  |
| EXT 1700 mAh     | Up to 300 hours (12 days) |



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

## BATTERY HANDLING INFORMATION

### DOs

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. Based on your usage, 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 in 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

## TURNING THE PHONE ON / OFF

### TURNING THE PHONE ON

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


### TURNING THE PHONE OFF

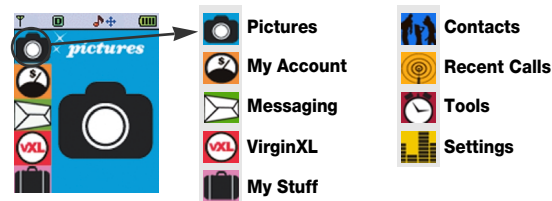
- 1 Press and hold , until your "Power Off" logo appears.




- When "Low Battery Warning Power Off" appears on the display, recharge the battery right away or turn your phone off. Memory may be damaged if the phone turns off due to the battery completely draining.
- Turn the phone off before removing or replacing the battery, or unsaved data may be lost.

## ACCESSING THE MENU



You can access all of your phone's features through the main menu. To select a feature, use the navigation key to highlight it and then press .



- 1 To access the menu from the main screen, press .

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

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

- 3 To return to the previous menu, press  [CLR]. To return to the main screen at any time, press .










#### Hotkeys



At the main screen, press and hold the Navigation Key as follows to access these functions:

- Up : My Account
- Down : Recent Calls
- Right : Text Messaging
- Left : VirginXL

## MENU SUMMARY

| Level 1   | Level 2   | Level 3  | Level 4  |
|---|---|--|--|
| 1. Pictures        | <ol style="list-style-type: none"> <li>1. Take a picture</li> <li>2. My pictures</li> <li>3. Send picture msg</li> <li>4. Help</li> </ol>   | <ol style="list-style-type: none"> <li>1. Pictures taken</li> <li>2. Pictures received</li> </ol>  |  |
| 2. My Account      | <ol style="list-style-type: none"> <li>1. Balance</li> <li>2. Low Bal</li> <li>3. Top Up</li> </ol>   |  |  |
| 3. Messaging       | <ol style="list-style-type: none"> <li>1. Send text msg</li> <li>2. Send picture Msg</li> <li>3. Inbox</li> <li>4. Virgin alerts</li> <li>5. Outbox</li> <li>6. Voicemail</li> <li>7. Saved</li> <li>8. Erase msgs</li> </ol> | <ol style="list-style-type: none"> <li>1. Inbox</li> <li>2. Outbox</li> <li>3. Saved</li> <li>1. Msg sounds</li> <li>2. Auto text</li> <li>3. Save to outbox</li> <li>4. Auto erase</li> </ol> | <ol style="list-style-type: none"> <li>1. Read Msgs only</li> <li>2. Entire Inbox</li> </ol> |
|   | 9. Msg settings   |  |  |
| 4. VirginXL        |   |  |  |
| 5. My stuff        | <ol style="list-style-type: none"> <li>1. My ringtones</li> <li>2. My games</li> <li>3. My graphics</li> <li>4. My sounds</li> </ol>  | <ol style="list-style-type: none"> <li>1. Get new ringtones</li> <li>1. Get new games</li> <li>1. Get new graphics</li> </ol>  |  |
| 6. Contacts        | <ol style="list-style-type: none"> <li>1. Find by name</li> <li>2. Find by number</li> <li>3. Add new</li> <li>4. Group</li> <li>5. Speed dial</li> <li>6. MSG group</li> <li>7. My phone #</li> </ol>                        |  |  |
| 7. Recent calls  | <ol style="list-style-type: none"> <li>1. All calls</li> <li>2. Missed calls</li> <li>3. Incoming calls</li> <li>4. Outgoing calls</li> </ol>   |  |  |

## MENU SUMMARY

| Level 1  | Level 2         | Level 3   | Level 4   |
|--|-----------------|---|---|
| 8. Tools     | 1. Voice tools  | 1. Voice memo   | <ol style="list-style-type: none"> <li>1. Record</li> <li>2. Play</li> <li>3. Play on speaker</li> <li>4. Erase all</li> </ol>      |
|  |                 | 2. Voice dial   | <ol style="list-style-type: none"> <li>1. Record</li> <li>2. Play</li> <li>3. Play on speaker</li> <li>4. Erase all</li> </ol>      |
|  |                 | 3. Train words  | <ol style="list-style-type: none"> <li>1. Yes</li> <li>2. No</li> <li>3. Wake-up</li> <li>4. Undo Train all</li> </ol>              |
|  |                 | 4. Voice setting  |   |
|  | 2. Alarm        | <ol style="list-style-type: none"> <li>1. Alarm 1</li> <li>2. Alarm 2</li> <li>3. Alarm 3</li> </ol>  |   |
|  | 3. Scheduler    | <ol style="list-style-type: none"> <li>1. Add event</li> <li>2. View event list</li> </ol>  |   |
|  | 4. Calculator   |   |   |
|  | 5. Stopwatch    |   |   |
|  | 6. World clock  |   |   |
| 9. Settings  | 1. Sounds       | <ol style="list-style-type: none"> <li>1. Ringtones</li> <li>2. MSG tones</li> <li>3. Voicemail</li> <li>4. Volume</li> </ol>   | <ol style="list-style-type: none"> <li>1. Ringtones</li> <li>2. Key tone</li> <li>3. Voice call</li> <li>4: Speakerphone</li> </ol> |
|  |                 | 5. Tone length  |   |
|  |                 | 6. Silencer mode  |   |
|  | 2. Display      | <ol style="list-style-type: none"> <li>1. Menu style</li> <li>2. Graphics</li> </ol>  | <ol style="list-style-type: none"> <li>1. Screen saver</li> <li>2. Wallpaper</li> <li>3. Incoming Call</li> </ol>                   |
|  |                 | 3. Sub screen   |   |
|  |                 | 4. Greeting message   |   |
|  |                 | 5. Contrast   |   |
|  |                 | 6. Backlight  |   |
|  | 3. Call Options | <ol style="list-style-type: none"> <li>1. Call answer</li> <li>2. Active flip</li> <li>3. Auto answer</li> <li>4. Auto retry</li> <li>5. Location</li> <li>6. TTY mode</li> </ol> |   |
|  |                 | 4. Games settings   |   |
|  |                 | <ol style="list-style-type: none"> <li>1. Backlight</li> <li>2. Volume</li> <li>3. Msg alert</li> </ol>   |   |

## MENU SUMMARY

| Level 1 | Level 2        | Level 3  | Level 4  |
|---------|----------------|--|--|
|         | 5. Security    | 1. Restrict<br><br>2. Change code<br>3. Special #'s<br><br>4. Erase all<br>5. Reset to default setting | 1. Outgoing calls<br>2. Recent calls<br>3. Contacts<br>4. Pictures<br>5. Browser<br><br>1. Special #1<br>2. Special #2<br>3. Special #3<br><br>1. Yes<br>2. No |
|         | 6. Phone Info. | 1. S/W version<br>2. H/W version   |  |

## BASIC FUNCTIONS

### MAKING A CALL

**1** Enter a phone number using the keypad.



**To modify the phone number you have entered :**

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

**2** Press .

The indicator, , appears on the display.




- If you have activated the "AUTO RETRY" function, the phone will automatically retry for the number of times you have selected. (see page 78).
- When you place or receive a call from a number stored in your contacts, both the name and phone number will be displayed.
- There is another way to make a call through the Voice Recognition mode, which is called "VAD (Voice Activated Dialing)". Please see page 60 (Voice Service) for more details.

**3** To end a call, press .

## BASIC FUNCTIONS

### SPEAKERPHONE


Your phone's two-way speakerphone lets you listen and talk while holding the phone away from your ear.



**1** To activate the speakerphone, press and hold  .

**2** The phone returns to normal (Speakerphone off) after ending a call or when the phone is turned off and back on.

### PAUSE FEATURE





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






**1** To insert a pause, enter a phone number then press  [MENU]. Select either a Hard Pause ("P" appears) or a Time Pause ("T" appears).


**2** Press  to dial or  [SAVE] to store. Please see page 28 for more details about storing a phone number.

## BASIC FUNCTIONS

### ANSWERING A CALL

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

By pressing     , you can select either "Any Key" or "Send Key" to answer a call. If "Send Key" is selected, the phone can only be answered by pressing  . See page 77 for more information.

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



*In Auto Answer Mode, a call is automatically answered after a preset number of ringtones. See page 78 for more details.*

### CALLER ID FUNCTION



Identifies caller by displaying their phone number. If the caller's name and number are stored in your contacts, they will appear on your screen.



*The caller ID is stored in the call history.*

### CALL WAITING FUNCTION

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

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

## BASIC FUNCTIONS

### ADJUSTING VOLUME

Adjust the volume of the ringtone, key beep and speakerphone.

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

- Ringtones : Controls the ringtones volume.
- Key Tone : Controls the keypad tone.
- Voice Call : Controls the earpiece volume.
- Speakerphone : Controls the speaker volume.

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



*Move the Navigation key up or down to adjust the microphone volume during a call.*

### SILENCER MODE

Mutes your phone's ringtone and key tones. Activates the vibration mode to alert you of an incoming call or message.

**1** To turn the Silencer mode on/off, press and hold .

## DURING A CALL

To display menu options during a call, press .

### MUTE (UNMUTE)

With mute activated, the caller cannot hear you or any sounds from your side but you can still hear them.

**1** Press [MENU] .

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

### MESSAGING

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

**1** Press [MENU] .

### MY PHONE #

Displays your phone number.


**1** Press [MENU] .

## MAKING AN EMERGENCY CALL


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

### 911

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

- 1 Enter "911" and press .
- 2 The call connects.

### 911 USING ANY AVAILABLE SYSTEM

- 1 Enter "911" and press .
- 2 The call connects.
- 3 The phone maintains the Emergency Mode for 5 minutes.

- While the phone is in emergency mode, it can receive incoming calls. However, it cannot make outgoing calls.



911 calls are not recorded in the Recent Calls list.

# Chapter 3

## MEMORY FUNCTION







This chapter addresses memory functions including:

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




## STORING A PHONE NUMBER

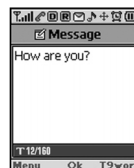
Your phone can store up to 300 entries with up to three contacts per entry.

- 1 Enter phone # and press  [SAVE].
  - 2 Choose “New Contact” or “Existing Contact”. Press  [OK] to select.
  - 3 The phone # will appear above a list of icons. The name of the icon is displayed below the list. Press the navigation key left or right to choose the type of # you’re adding, as indicated by the icon. Press  [OK] to select.
  - 4 Enter a name and press  [OK].  
(Please see page 29 for more details on entering letters, numbers & symbols.)  
To change the input mode, press  [Abc]. Press the navigation key down to select the group. Press the navigation key down to enter other phone numbers for this contact, select a group, ringtone, graphic and other options.
- NOTE** To add a voice tag to a contact so it can be dialed using voice recognition, please see page 60.
- 5 To store the entry, press  [SAVE]. “New contact added!” or “Contact edited!” will be displayed.

## ENTERING LETTERS, NUMBERS & SYMBOLS







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

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



**Input mode indicator**  
 T9Word : T9 mode  
 Abc : Abc mode  
 NUM : Number mode  
 Symbols : Symbol mode

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

| KEY  | FUNCTION   |
|--|--|
| <br>Mode      | Press to change mode.<br>[T9Word][Abc][NUM][Symbols]   |
| <br>Next      | Press to view the next matching word if the highlighted word is not the word you want.   |
| <br>Space     | Press to accept a word and add a space.  |
| <br>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. [T9Word], [T9WORD], and [T9word] indicate the predictive text input. |
| Clear       | Press to delete a character to the left of the cursor.   |
| Save        | Store the letters and numbers you enter.   |

## STANDARD INPUT MODE

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

1 Enter letters using the keypad as follows:

| keypad | Number of key presses |               |               |               |               |
|--------|-----------------------|---------------|---------------|---------------|---------------|
|        | Press 1 time          | Press 2 times | Press 3 times | Press 4 times | Press 5 times |
| 1      | 1                     | .             | @             | -             | '             |
| 2ABC   | A                     | B             | C             | 2             | A             |
| 3DEF   | D                     | E             | F             | 3             | D             |
| 4GHI   | G                     | H             | I             | 4             | G             |
| :      | :                     | :             | :             | :             | :             |
| 9WXYZ  | W                     | X             | Y             | Z             | 9             |

To change the input mode, press [Abc].

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

3 Repeat until letters are entered.  
Text messages have a 160-character limit.

4 To delete a single character, press .  
To delete the entire entry, press and hold .

5 To change between lowercase and uppercase, press .



Select Abc mode, by pressing [Abc].

When this mode is selected, the Abc icon will appear at the bottom of your screen.

- 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 ] J  
 Press [ 6 ] [ 6 ] [ 6 ] o  
 Press [ 4 ] [ 4 ] h  
 Press [ 6 ] [ 6 ] n

## T9 INPUT MODE

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

1 Select the T9Word mode by pressing [Abc].

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

3 To view the next matching word, press .

4 To accept the word and enter a space, press .



To enter a compound word.

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



To enter "Fun fare" in the T9 input mode.

- Press [Abc] to select the T9 input mode and to choose the small letter case (T9Word).

- Press [ 8 ] [ 6 ] and you will see "Fun" highlighted.  
Press to select it.

- Press [ 2 ] [ 3 ] and you will see "ease" highlighted.  
Press to select the next matching word, you will see "fare" and enter a space.

## ENTERING LETTERS, NUMBERS & SYMBOLS

### NUMERIC MODE

Allows you to enter numbers.

- 1 Press [Abc] and select the "123(Numeric mode)"
- 2 To enter a number, press a digit key.

### SYMBOL MODE

Allows you to enter symbols.

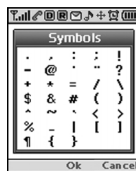
- 1 Press [Abc] and select the "Symbols(Symbol mode)".
- 2 Select the symbol you want to enter with the Navigation key, and then press .

- Use the Navigation key to view different symbols.

Press [ ],

or

Press [ ],



## MAKING A CALL THROUGH THE PHONE BOOK

### ONE-TOUCH/TWO-TOUCH DIALING

Dial a stored number by pressing and holding the last digit of the speed dial number. For a 1-digit location number, press and hold the number. For a 2-digit location number, press the first number, then press and hold the second number. See page 53 for instruction on how to assign a phone number to a speed dial location.

#### ONE-TOUCH DIALING:

2-9 : Press the speed dial number and hold for at least 1 second.

#### TWO-TOUCH DIALING:

10-21 : Press and release the first digit, and then press and hold the second digit of the speed dial number for at least 1 second.



- If no phone number is stored in the location entered, "There is no number" will appear on the screen.
- If a phone number is stored in secret, you must enter the password to make a call.
- The "1" key is used for the One-Touch voicemail feature.

# Chapter 4

## MENU FUNCTION




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

- PICTURES
- MY ACCOUNT
- MY STUFF
- CONTACTS
- RECENT CALLS
- TOOLS
- SETTINGS







**TAKE A PICTURE**

Taking pictures with your phone's built-in camera is as simple as pointing the lens and pressing a button.

**TAKING A PICTURE IN IDLE MODE**

- 1 Press  or the side camera button to take the picture.
- 2 Point the camera lens at your subject.  
You can view the picture framing from the main display screen.
- 3 Press the side camera button to take the picture.
- 4 To save the picture, press  [SAVE].  
To send the picture to someone, press  [SEND].  
Please see page 90 for more details on "Send Picture Msg".

**TAKING A PICTURE THROUGH THE MENU**


- 1 Press  [MENU]  , or press the side camera button.
- 2 Point the camera lens at your subject.  
You can view the picture framing from the main display screen.
- 3 Press  [OK] or the side camera button to take the picture.
- 4 To save the picture, press  [SAVE].  
To send the picture to someone, press  [SEND].  
Please see page 90 for more details on "Send Picture Msg".

- You cannot place or receive calls while in Camera Mode.
- All incoming voice calls will be forwarded to voicemail.
- Select the softkey Upload option to upload the picture to your My Pictures on [www.virginmobileusa.com](http://www.virginmobileusa.com).

**CAMERA MODE OPTIONS**

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

**MY PICTURES**

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

**RESOLUTION**

Press the navigation key up or down to adjust the picture size from VGA (640x480 pixels) to QVGA (320x240 pixels) to QQVGA (160x120 pixels). The current picture size appears at the top left of the display.


**ZOOM**

Press the navigation key left or right to change the magnification.

**ROTATION**

Rotation control (0° / 180°) using the Up/Down side key.

**UNDER  [MORE]****1. SELF PORTRAIT**

Take a picture of yourself by checking the view on the Sub LCD. Goes into self portrait mode when you select this option. Main display will read "Press  to revert to normal camera mode."

**2. ADD A FRAME**

To select your favorite fun frame to decorate your pictures, press the navigation key left or right. (Off/Blue Frame/Eyes/Fauna/Flowers/Her Thoughts/Hex/His Thoughts/Limo/One Eye/Orange Frame/Pinky/Rising/Spade/Stripey/TV/Virgin Mobile/Wild Eyes/Yellow Frame)

**3. FLASH**

Activates the flash function. (Off/On this shot/Always On)

**4. SELF TIMER**

Activates the camera's timer function. (Off/5 Secs/10 Secs)

**5. PIC CONTROLS**

Select an option from the following : Brightness, Image Effect (Normal/ Gray/Warm/Cool/Antique/Sephia/Off), Quality (High/Medium/Low), and Contrast (High/Medium/Low).

**6. SHUTTER SOUNDS**

Select a shutter sound: Classic, Ready 123, Silent, Say "Cheese!".

# PICTURES

## MY PICTURES

Your phone enters Review Mode after taking a picture.

- 1 Press [MENU] .
- 2 Press to review pictures you have taken or press to review pictures you've received.
- 3 Press [OK] to select a picture.

- 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.
- Press [MORE] to display the following options :
  1. **Thumbnail** : View full screen by double-clicking on image.
  2. **Assign** : Assigns a selected picture to delay for specific tasks (Caller ID / Wallpaper / Incoming calls / Screen saver).
  3. **Upload** : To select an option from the following to upload pictures saved in your phone to the My Pictures on [www.virginmobileusa.com](http://www.virginmobileusa.com)
  4. **Take Picture** : To take a new picture.
  5. **Erase** : Erase the current picture from your phone.
  6. **Erase All** : Erase all pictures from your phone.
  7. **Edit Title** : Edit the picture's title.
  8. **Picture Info** : Display information on the selected picture, such as Taken / Size / Resolution / Quality.
- Press [SEND] to send picture message. Please see page 90 for more details on "Send Picture Msg".

# PICTURES

## SEND PICTURE MSG

Once you've taken a picture, you can use the messaging capabilities of your phone to instantly share it with family and friends. To send a picture to a recipient's e-mail address or to a Virgin Mobile camera phone:

- 1 Press [MENU] .
- 2 Scroll through the captured pictures and select the picture you want to send or press [TAKE PIC] to take a new picture.
- 3 Highlight the picture and press [OK].
- 4 Under "Send To", enter an email address or a Virgin Mobile phone number and press [OK]. Press [MORE] to 1. Contacts, 2. Upload, 3. 123, 4. Msg Group, or 5. Save Contact. or press [RECENT] to select number from recent call list, press [OK].
  - Numeric mode [123] is the default entry mode. To change the entry mode, press [MORE] .
- 5 Under "Message", press . The picture will come up with the flashing cursor underneath. Enter the message. (T9 entry mode is the default mode.) and press [OK]. Press [MORE] to 1. Record Voice, 2. Insert Sound, 3. Insert Auto Text, 4. Save to Auto Text, or 5. Erase Pic.
- 6 To send the picture, press [OK]. Please see page 90 for more details on "Send Picture Msg".



Additional charges apply for sending a picture message. Contact Virgin Mobile for the latest pricing.

## HELP

1 Press [MENU] .

- To control rotation in the preview mode. Camera menu provides more settings:
  1. SELF PORTRAIT: enables previewing on external LCD.
  2. ADD A FRAME: Choose from 18 different frames to make picture taking fun.
  3. FLASH: Provides just enough light to allow pictures to be taken.
  4. SELF TIMER: Sets timer to take a picture so you can get in the shot.
  5. PIC CONTROLS:
    - 5.1 BRIGHTNESS
    - 5.2 IMAGE EFFECT
    - 5.3 QUALITY
    - 5.4 CONTRAST
  6. SHUTTER SOUND: Selects a sound to use for the shutter.

You can manage your Virgin Mobile account from your phone. The basic tasks are summarized below. For more information about your Virgin Mobile account, visit [www.virginmobileusa.com](http://www.virginmobileusa.com).

## CHECKING YOUR ACCOUNT BALANCE

You can check the amount of money remaining in your Virgin Mobile account right from your phone.

1 From the main screen, press the navigation key up . Or, press [MENU] "My Account".



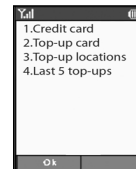
*All Balance messages are saved to a Virgin Alerts folder. Capacity for saved messages is limited to 20 messages.*

## TOP-UP YOUR ACCOUNT

You can Top-Up your account over the air. To Top-Up your account over the air using your phone, you need a credit card registered with Virgin Mobile and service on your phone. Top-Up is how you add money to your Virgin Mobile account. It's like filling up your gas tank before you hit the road. You can Top-Up your account right from your phone, but first you'll have to buy a Top-Up card from one of the thousands of stores that carry them or register a credit card with Virgin Mobile.

1 Press [MENU] "My Account".





2 Press to proceed.



## MY STUFF

### MY RINGTONES





You can download the latest ringtones right to your phone. Charges apply. See [www.virginmobileusa.com](http://www.virginmobileusa.com) for details.

- 1 Press  [MENU]  .
- 2 Select “Get new ringtones” and press  [OK]. You will be taken to the “Ringtones” download menu.
- 3 Use the Navigation Key to select a ringtone you wish to download.
- 4 From the item information page, select “Buy”. Need to verify password prompt.
- 5 A confirmation page will notify you that the ringtone has been purchased. To download the ringer, select “Download”.

## MY STUFF

### MY GAMES

You can download the latest games and play them right on your phone. Charges apply. See [www.virginmobileusa.com](http://www.virginmobileusa.com) for details.

- 1 Press  [MENU]  .
- 2 Select “Get new games” and press  [OK]. You will be taken to the “Games” download menu.
- 3 Use the Navigation Key to select the game you wish to download.
- 4 From the item information page, select “Buy”. Need to verify password prompt.
- 5 A confirmation page will notify you that the game has been purchased. To download the game, select “Download”.







### • Demo - Snood® Rules

Snood® is a fast-action, single player puzzle game. The object is to free all of the trapped Snoods before the wall collapses.

There are 2 ways to free Snoods:

- 1) If you hook up 3 or more Snoods of the same kind, they will transport themselves to safety. You can group Snoods horizontally, vertically, diagonally, and any combination of 3 or more as long as they are connected.
- 2) When Snoods are no longer connected to the top of the playing field, they will drop away to safety themselves. This is referred to as "Dropping Snoods".

You launch Snoods into the game to help free their friends with the Snood-O-Matic Cannon at the bottom of the playing field. Aim the cannon with <Left/Right> Navigation Keys or  (Left) and  (Right) on the Alphanumeric keypad, and press  or  Alphanumeric Key to launch the Snood into the playing field. Snoods will bounce off of the walls, so be sure to check all of the angles! Look next to the Snood-O-Matic. You can see the next Snood you will get, so plan ahead.





Keep an eye on your Danger Bar. Every Snood you launch INCREASES the Danger Bar. When the Danger level gets too high, the wall lowers, endangering the Snoods. You can DECREASE the Danger level by dropping Snoods to safety.

You earn points when you free Snoods. Once all of the Snoods are free... YOU WIN! The fewer Snoods you have to launch, the bigger your ending "Snood Use Bonus" will be. The game ends if you are unable to free the Snoods before the collapsing wall forces them to the ground, or if there is no more place to launch the Snood.

The version of Snood® on your device is a limited version of the game. You can purchase the full version of the game by clicking the appropriate labeled button on your handset. This will take you to the page where you can execute the purchase.

### ● MY GRAPHICS

You can download wallpapers and screensavers right to your phone. Charges apply. See [www.virginmobileusa.com](http://www.virginmobileusa.com) for details.

- 1 Press  [MENU]  .
- 2 Select "Get new graphics" and press  [OK]. You will be taken to the "Graphics" download menu.
- 3 Use the Navigation Key to select the graphics you wish to download.
- 4 From the item information page, select "Buy". Need to verify password prompt.
- 5 A confirmation page will notify you that the graphics has been purchased. To download the graphics, select "Download".

## CONTACTS

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

### FIND BY NAME

Lists contacts alphabetically so you can quickly find a name.

- 1 Press [MENU] .
- 2 The list of names in your phone book is displayed alphabetically.
- 3 Use the keypad to enter a name or scroll through the list using the Navigation Key. Please see page 29 for more details on entering letters, numbers & symbols.
- 4 All matching entries will be displayed. Highlight the entry you want and press [OK] to access that contact's stored phone numbers. Press [MORE] to 1. Send text, 2. Send Pic Msg, 3. Erase, or 4. Prepend.
  - If the entry is set to secret, you will be asked for your password.Please see page 89 or page 90 for more details on "Send Text Msg" & "Send Picture Msg".
- 5 Highlight the phone number you wish to call and then press to call that number.

## CONTACTS

### FIND BY NUMBER

Lists contacts numerically so you can quickly find a number.

- 1 Press [MENU] .
- 2 The list of phone numbers saved in your phone book will be displayed in numerical order.
- 3 Enter a part of the phone number or scroll through the list with the Navigation Key. The name associated with that number will be displayed at the bottom of the screen.
- 4 All matching entries will be displayed. Highlight an entry. Press [OK] to edit the entry. Press [MORE] to 1. Send text, 2. Send Pic Msg, 3. Erase, or 4. Prepend.
  - If the entry is set to secret, you will be asked for your password.Please see page 89 or page 90 for more details on "Send Text Msg" & "Send Picture Msg".
- 5 To call the selected number, press .

**ADD NEW**

Adds a new entry.

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

**PHONE BOOK FIELD :**  
Name/Mobile/Home/Office/Group/E-Mail/Ring Tone/  
Msg.Tones/Graphic/Set Secret.

Please see page 29 for more details on entering letters, numbers & symbols.

- 3 1. To save the entry, press [SAVE].  
2. To return to the previous page, press [CLR].

**GROUP**

Allows you to classify phone entries into groups. Existing groups include Personal, Business, Etc. and All. Your phone can store a maximum of seven groups.

**ADD NEW GROUP**

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

**CHANGE GROUP NAME**

- 1 Press [MENU] .
- 2 Select an existing group name that you have added with the navigation key.
- 3 Press [MORE] to select “Rename”.
- 4 Input a new group name.
- 5 Press [OK] to save it.

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

**ERASE GROUP**

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

**NOTE**

- The default group names (All, Personal, Business, Etc.) cannot be erased.
- When you erase a group, the saved entries are moved to the Etc. group.

**SPEED DIAL**

In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the location number on the keypad. For a 1-digit location number, press and hold the number. For a 2-digit location number, press and release the first number, then press and hold the second number.

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



- "Unassigned" appears if the location is available.
- If a phone number is set as Secret, you will have to enter the password.
- To call an assigned number, press & hold the last digit of the speed dial #.
- The "1" key is pre-set to dial into your voicemail.

- 4 "Speed dial # X edited" will be displayed.

**MSG. GROUP**

Group up to 10 phone numbers together in a Msg.Group.

**ADD NEW MSG. GROUP**

- 1 To add a new group, press [MENU] . Your phone can store a maximum of five groups.
- 2 Press [MORE] to select "Add Group".
- 3 Input a new group name.
- 4 Press [OK] to save it.

**CHANGE MSG. GROUP NAME**

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

**SEND TEXT MSG. GROUP**

- 1 Press [MENU] .
- 2 Select an existing group name with the Navigation Key.
- 3 Press [MORE] to select “Send Text”.
- 4 Under “Send To”, input the phone number and press [OK].
- 5 Under “Message”, input a new text message and press [OK].
- 6 To send the text message, press [SEND]. Please see page 89 for more details on “Send Text Msg”.

**SEND PIC MSG. GROUP**

- 1 Press [MENU] .
- 2 Select an existing group name with the Navigation Key.
- 3 Press [MORE] to select “Send picture msg”.
- 4 Under “Send To”, input the phone number and press [OK].
- 5 Under “Message”, input a new text message and press [OK].
- 6 To send the picture message, press [SEND]. Please see page 90 for more details on “Send Picture Msg”.

**ERASE GROUP**


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

**MY PHONE #**

To display your phone number and service information:




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


## RECENT CALLS


From the main screen, you can access recent calls by pressing .



### ALL CALLS

Displays information about the most recent incoming, outgoing and missed calls.


**1** To see a list of the 60 most recent incoming, outgoing and missed calls, press  [MENU]  . If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

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

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


**3** Press  [MORE] select “Erase” to erase it or press  [SAVE] to save it.




- Erase: To erase highlighted entry or displayed entry.
- Prepend: You may want to add a country code in front of a number before you save it. E.g. add "1" before a long distance number. To do so, select Prepend.
- Send Text: To send a text message to the phone number.
- Send Pic Msg: To send a picture to the phone number (Virgin Mobile phone numbers only).
- Erase All: To erase all calls from the recent calls list.


 *After 20 received, dialed or missed calls have been recorded, the oldest call will automatically be erased from the list.*


## RECENT CALLS



### MISSED CALLS

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


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

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

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


**3** Press  [MORE] select “Erase” to erase it or press  [SAVE] to save it.






- Erase: To erase highlighted entry or displayed entry.
- Prepend: You may want to add a country code in front of a number before you save it. E.g. add "1" before a long distance number. To do so, select Prepend.
- Send Text: To send a text message to the phone number.
- Send Pic Msg: To send a picture to the phone number (Virgin Mobile phone numbers only).
- Erase All: To erase all calls from the missed calls list.


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



## RECENT CALLS

### INCOMING CALLS


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

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

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


- 3 Press  [MORE] select "Erase" to erase it or press  [SAVE] to save it.






- Erase: To erase the highlighted entry or displayed entry.
- Prepend: You may want to add a country code in front of a number before you save it. E.g. add "1" before a long distance number. To do so, select Prepend.
- Send Text: To send a text message to the phone number.
- Send Pic Msg: To send a picture to the phone number (Virgin Mobile phone numbers only).
- Erase All: To erase all calls from the incoming calls list.


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



## RECENT CALLS

### OUTGOING CALLS


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

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

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

- 3 Press  [MORE] select "Erase" to erase it or press  [SAVE] to save it.


- Erase: To erase highlighted entry or displayed entry.
- Prepend: You may want to add a country code in front of a number before you save it. E.g. add "1" before a long distance number. To do so, select Prepend.
- Send Text: To send a text message to the phone number.
- Send Pic Msg: To send a picture to the phone number (Virgin Mobile phone numbers only).
- Erase All: To erase all calls from the outgoing calls list.

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


**VOICE TOOLS**

**VOICE RECOGNITION MODE**

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






















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

**NAME**

- 1 Press and hold  until your phone turns to Voice Recognition mode.
- 2 Say a tag name when prompted. The member and name will appear on the display and you will hear “Calling (name)”.

**VOICE MEMO**

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

- 1 Press  [MENU]   to start Tools menu.
- 2 To enter a voice memo, press  .
- 3
  - 1.1.To record a voice memo, press  . Instructions will be displayed and you will hear “Please record at the tone.”
  - 1.2.To stop recording a memo, press  [STOP] or  [PAUSE/RESUME].
  - 1.3. Press  [MORE] after recording a voice memo to “Review” or “Re-record.”
  - 1.4. Press  [SAVE] to input a memo caption, then press  [OK]. (See page 29 for more information on entering letters, numbers and symbols.)
  - 1.5. Press  [MORE] to select “Send Pic Msg” to send the message.
- 2.To play the voice memo, press  . Select the message you want to play then press  [PLAY] or press  [MORE] to 1. Send Pic Msg or 2. Edit Caption. Press  [ERASE] to erase the menu.
- 3.To play in speaker mode, press  . Select the message you want to play then press  [PLAY] or press  [MORE] to 1. Send Pic Msg or 2. Edit Caption. Press  [ERASE] to erase the menu.
- 4.To erase all voice memos, press  . “Erase all voice memos?” will be displayed. Press  [OK] to erase all voice memos.



### VOICE DIAL

Voice Dial allows you to call a person by simply saying their name. To access Voice Dial:

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

### TRAIN WORDS

Use this feature to train the phone so that it may more easily recognize your voice commands.

#### YES

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

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

#### NO

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

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

### WAKE-UP

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

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

### VOICE SETTING

#### SET ACTIVE

Allows the user to activate or deactivate voice dial service.

- 1 Press [MENU] .
- 2 Select "Off", "Active Flip" or "Send Key" by pressing the Navigation Key left or right.
- 3 To save, press [OK].

#### HANDS FREE MODE

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

- 1 Press [MENU] .
- 2 Scroll to Hands Free Mode. Select "On" or "Off" by pressing the Navigation Key left or right.
- 3 To save, press [OK].

**ALARM**

You can set up to 3 alarms.

- 1 To display alarm entries, press [MENU] .
- 2 To set a new alarm, choose alarm 1, 2 or 3. To edit an existing alarm, select that alarm. Press [OK].
- 3 The time field will be highlighted. Press the navigation key down to set the alarm options.

**TIME SETTING**

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

**SETTING**

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

**SNOOZE SETTING**

Use the navigation key to select a Snooze setting (No Use, 1 time after 5 min, 1 time after 10 min, 3 times by 5 min).

**RINGTONE SETTING**

To set a “Ringtone”, press [MORE] or , select “Save”. To select “Current” or “Change” using the navigation key. To save it press [OK].

- Current : To set default ringtone type.
- Change : To choose a ringtone type from the list.

**NOTES**

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

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

**SCHEDULE**

Sets an event and reminds you of that event.

**ADD EVENT**

- 1 Press [MENU] .
- 2 Move the navigation key left, right, up or down to choose a date in the calendar and press [OK].
- 3 The date field is highlighted. Press the navigation key down to set the alarm options.

**DATE SETTING**

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

**TIME SETTING**

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

**NOTES**

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

**SETTING**

Select an alert time interval option (On Time, 10 Min Before, 30 Min Before, 1 Hour Before, No Alarm) by pressing the navigation key left or right.

**RINGTONE SETTING**

To set a Ringtone, press [MORE] or , select “Save”. To select “Current” or “Change” using the navigation key. To save it press [OK].

- Current : To set default ringtone type.
- Change : To choose a ringtone type from the list.

## TOOLS

- 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 EVENT

- 1 To view the Event List, press [MENU] .
- 2 Move the navigation key to choose an event and press [OK] or [ERASE]. Press [MORE], then select "Erase All" using the navigation key, delete? Will happen. Press [OK] to delete.

## TOOLS

### **CALCULATOR**

To access the calculator:

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

Input 8 and press the  $\rightarrow$  .  
Input 6 and press the  $\leftarrow$  .  
Input 4 and press the  $\downarrow$  .  
Input 2 and press the to input (.).  
Press 5, .

$\rightarrow$  : X,  $\downarrow$  : -,  $\leftarrow$  : /,  $\uparrow$  : +, : ., : Reset, : =.

- 3 To reset, press [RESET].

**STOPWATCH**

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

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

**WORLD CLOCK**

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

- 1** Press [MENU] .
- 2** Select a city using the navigation key.
- 3** The world map appears with the city, its date and time.
  - Use the navigation key to select another city.
- Daylight savings time is not applied.*
- 4** To return to the previous page, press [OK].

## SETTINGS

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

### SOUNDS

Sets Ringtones, Messages, Voicemail, Volume, Tone Length and Silencer Mode.

### RINGTONES

To select a ringtone type for incoming calls:

- 1 Press [MENU] .
- 2 Select “Ringtones” with the navigation key.

- Virgin Tone 2.0
- Techno
- Sea World
- Puppy
- Jingle

- 3 To confirm, press [OK].

To stop playing a ringtone, press [PAUSE].

### MSG TONES

To select a ringtone type for incoming messages:

- 1 Press [MENU] .
- 2 Select “Tone\_1,2,3,4,5,6,7,8,9,10” with the navigation key.
- 3 To confirm, press [OK].

To stop playing a ringtone, press [PAUSE].

## SETTINGS

### VOICEMAIL

To select a ringtone type for incoming Voicemail:

- 1 Press [MENU] .
- 2 Select “Tone\_1,2,3,4,5,6,7,8,9,10” with the navigation key.
- 3 To confirm, press [OK].

To stop playing a ringtone, press [PAUSE].

### VOLUME

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

### RINGTONES

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

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

- Ringtone off, press [MIN].
- Vibrate on
- Ringtone Mode – Volume Levels 1 - 5.
- High & Vibrate – The ringtone sounds after vibration, press [MAX].

- 3 To confirm, press [OK].

## SETTINGS

### KEY TONE

To adjust keypad tone:

- 1 Press [MENU] .
- 2 Adjust the keypad tone.
  - Off/Level1-5 [Min- , Max- ]
- 3 To save, press [OK].

### VOICE CALL

To adjust earpiece volume:

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

### SPEAKERPHONE

To adjust speakerphone volume:

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

## SETTINGS

### PHONE LENGTH

To adjust tone length:

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

### SILENCER MODE

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

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

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

## SETTINGS

### DISPLAY

Allows you to customize the display.

#### MENU STYLE

To select a display menu style:

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



Fold



Grid



List

#### GRAPHICS

To select an LCD display:

#### SCREEN SAVER

- 1 Press [MENU] .
- 2 Select “Time Setting” or “Screen Saver” with the navigation key.
  - Time Setting: Off, 5 Secs, 10 Secs, 20 Secs, 30 Secs.
  - Screen Saver: Select an image. (Default image - Virgin)

- 3 To save, press [OK].

#### WALLPAPER

- 1 Press [MENU] .
- 2 Select one of the Wallpapers with the navigation key.
  - Default image - Curbey, Surf City, Horse.
- 3 To save, press [OK].

## SETTINGS

### INCOMING CALL

- 1 Press [MENU] .
- 2 Select Default to choose a pre-installed display, or Downloads or Saved to Phone to choose a display you have downloaded to your phone.
- 3 To save, press [OK].

#### SUB SCREEN

- 1 Press [MENU] .
- 2 Select “Digital” or “Analog”.
- 3 To save, press [OK].

#### GREETING MESSAGE

You can customize the greeting message that is displayed on your phone's main screen. To input a personal greeting:

- 1 Press [MENU] .
- 2 Select “Message”, “Font”, “Bg” or “Entry Message” to personalize your greeting. Press [OK].
  - Message: On or Off.
  - Font: White, Blue, Dark blue, Magenta, Gray, Black.
  - Bg: Transparent, White, Blue, Yellow, Gray, Black.
  - Entry Message: Enter message (Default-Virgin Mobile [Maximum 16-string]).
- 3 To save, press [SAVE].



## SETTINGS

### CONTRAST

To adjust the display contrast:

#### MAIN LCD/SUB LCD

- 1 Press [MENU] .
- 2 Select “Main LCD” or “Sub LCD”.
  - Main LCD: Level 1~5.
  - Sub LCD: Level 1~5.
- 3 To save, press [OK].

### BACKLIGHT

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

#### LCD/KEYPAD/DIMMING

- 1 Press [MENU] .
- 2 Select “LCD”, “Keypad” or “Dimming”.
  - LCD: Always On, 5 Secs, 15 Secs, 30 Secs, 60 Secs.
  - Keypad: Always On, 5 Secs, 15 Secs, 30 Secs, 60 Secs.
  - Dimming : On/Off.
- 3 To save, press [OK].



When your phone is connected to an external power source (such as the AC charger), the backlight will remain on automatically.

## SETTINGS

### CALL OPTIONS

#### CALL ANSWER

To select an answer mode:

- 1 Press [MENU] .
- 2 Select “Any Key” or “Send Key”.
  - Any Key: Press any key to answer an incoming call except , , , and .
  - Send Key: Press only to answer a call.
- 3 To save, press [OK].

#### ACTIVE FLIP

Selects an Active Flip Answer mode as follows.

- 1 Press [MENU] .
- 2 Select “On” or “Off”.
- 3 To save, press [OK].
  - When Active Flip On is selected, an incoming phone call can be answered simply by opening the phone.
  - When Active Flip Off is selected, you will need to open the phone and follow the Answer mode you have selected.

## SETTINGS

### AUTO ANSWER

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

1 Press [MENU] .

2 Select one of the following:

● Off, 5 Secs, 10 Secs, 18 Secs.



- This function will not be active when you select Vibrate, Silent, Silencer, or Ringtone after Vibrate as the ringtone mode.
- While head set is connected, Auto Answer works without being concerned about Clamshell Open/Close or Ringer Mode.
- If head set is not connected or the clamshell is on, Auto Answer doesn't work without being concerned about the ringer mode set.
- When the head set is not connected, Auto Answer works while clamshell is open except for the Ringtone off.

3 To save, press [OK].

### AUTO RETRY

Automatically redials a call up to 5 times after a set time interval. Available where the signal is weak.

1 Press [MENU] .

2 Under Retry Time, select a time interval option (Off, 3 Secs, 5 Secs, 7 Secs, 10 Secs). The Repeat Category will appear when a time frame is chosen.

3 Under Repeat, select a time interval option (1 Time, 3 Times, 5 Times).

4 To save, press [OK].

## SETTINGS

### LOCATION

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

1 Press [MENU] .

2 Select "Location On" or "911 Only".

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

3 To save, press [OK].

### TTY MODE

A TTY (also known as a TDD or Text Telephone), is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate via a telephone.

Your phone is compatible with select TTY devices. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1 Press [MENU] .

2 Read the message, then press .

Enabling TTY may impair headset use and non-TTY accessory performance.

3 Select either "Enable TTY" or "Disable TTY".

4 To save, press [OK].

## GAMES SETTINGS

### BACKLIGHT

Backlit after any key press is made.

- 1 Press [MENU] .
- 2 Select one of the following connection modes:
  - Always On, 5 Secs, 15 Secs, 30 Secs, 60 Secs.
- 3 To save, press [OK].

### VOLUME

While playing a game, controls game volume.

- 1 Press [MENU] .
- 2 Select one of the following connection modes:
  - Silent [Min- 1]
  - Level 1 - 5 [Level 5, Max- ]
- 3 To save, press [OK].

### MSG ALERT

A function that displays the received SMS/Voice mail while playing a game.

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

## SECURITY

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

### RESTRICT

When you attempt to make a restricted call.

### OUTGOING

Blocks all outgoing calls – except emergency calls – but allows incoming calls to be answered.

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

### RECENT CALLS

Blocks access to Recent Call List.

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict".
  - Allow: Allows access to the recent calls menu.
  - Restrict: Restricts access to the recent calls menu.
- 3 To save, press [OK].

## SETTINGS

### CONTACTS

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

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict".
  - Allow: Allows access to the phone book.
  - Restrict: Restricts access to the phone book.
- 3 To save, press [OK].

When a contact is stored as secret, that contact's name will not be displayed when they call.

### PICTURES

Restricts access to pictures.

- 1 Press [MENU] and enter "Password".
- 2 Press and select "Allow" or "Restrict".
  - Allow: Allows access to the pictures.
  - Restrict: Restricts access to the pictures.
- 3 To save, press [OK].

## SETTINGS

### CHANGE CODE

Changes your 4-digit password

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

The default password is the last 4 digits of your phone number.
- 2 Press .
- 3 Enter a new password and press [OK].
- 4 Enter the new password again and press [OK].

### SPECIAL #'S

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

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

The default password is the last 4 digits of your phone number.
- 2 Press and select a location.
- 3 Press [ASSIGN] and input a phone number, press [OK] to save.

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

## SETTINGS

### ERASE ALL

Clears all phone book, downloads, and photo gallery entries the box for between chek and phonebook.

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

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

- 2 Press .
- 3 Select "Contacts", "Download", "My Pictures", and press [OK] to erase all the items in those categories.

### RESET TO DEFAULT SETTING

To reset the phone to its default settings.

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

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

- 2 Press .
- 3 Select "Yes" or "No" press [OK] .

**NOTE** When you select "Yes", you will see "Reset phone! this will reset to default settings" on the display and press [OK] and the phone will power recycle.

## SETTINGS

### PHONE INFO

Displays the technical information about your phone:

#### S/W VERSION

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

#### H/W VERSION

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

# Chapter 5

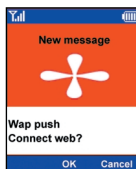
## VOICE MAIL, TEXT MESSAGING, AND PICTURE MESSAGING

This chapter addresses Voice Mail and Text Messaging functions including:

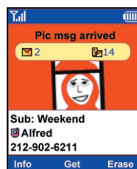
- WHEN A NEW MESSAGE ARRIVES
- VOICE MAIL
- SEND TEXT MSG
- SEND PICTURE MSG
- INBOX
- VIRGIN ALERTS
- OUTBOX
- SAVED
- ERASE MSGS
- MSG SETTINGS

## WHEN A NEW MESSAGE ARRIVES

- 1 The following display appears when a “Download alert” or “Picture message” arrives. (A notification will appear on the handset when the user has purchased content or received a Picture message.)



“Download alert”



“Picture message”

**Info:** To display information on the selected picture, such as “Subject”, “Address”, “Time”, “Size”.

**Get:** To download the selected picture message.

**Erase:** To erase selected picture message.

- 2.1 To download content, press [OK].
- 2.2 To download the picture message, press [GET].

## VOICE MAIL

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

## SEND TEXT MSG

To send a new text message:

- 1 Press [MENU] or .
- 2 Under “Send To”, input the phone number and press [OK].
  - By pressing [MORE], you can choose from the following:
    1. **Contacts:** Allows you to search for a phone number which is stored in the phone book.
    2. **123:** To change the input mode.
    3. **Msg Group:** Allows to select all the phone numbers in a group.
    4. **Save Contact:** Stores the phone number the message was sent to.
  - By pressing [RECENT], allows to select one number of all recent calls list.
- 3 Under “Message”, input a new text message and press [OK].
  - By pressing [MORE], the user can choose from the following:
    1. **Add Emoticon:** Inserts emoticon in Text Msg.
    2. **Insert Auto Text:** Allows you to select the saved auto text message.
    3. **Save to Auto Text:** Stores the text message in the saved auto text messaging.
    4. **Callback#:** Allows you to input the callback number.
  - By pressing [T9Word], to change the input mode.
- 4 To send the text message, press [SEND].

## SEND PICTURE MSG

To send a new picture message:

- 1 Press [MENU] .
- 2 Display a saved photo, scroll through the captured pictures. To select the picture you want to send, press [OK] or press [TAKE PIC] to take a new picture.
- 3 Under “Send To”, input the phone number (Virgin Mobile only) or email address (any) and press [OK].

- By pressing [MORE], you can choose from the following:
  1. **Contacts:** Search for a phone number which is stored in the phone book.
  2. **Upload :** To upload pictures to My pictures on [virginmobileusa.com](http://virginmobileusa.com)
  3. **123:** Change the input mode.
  4. **Msg Group :** Select all phone numbers in a group.
  5. **Save Contact:** Stores the phone number the message was sent to.
- Pressing [RECENT], allows you to select of all recent calls list.

- 4 Under “Message”, input a new text message.

- By pressing [MORE], the user can choose from the following:
  1. **Voice record/Erase Voice :** To record/erase a voice memo.
  2. **Insert voice memo :** To Insert a voice memo in Pix Msg.
  3. **Insert auto text :** Insert Auto Text function brings the saved already sentences.
  4. **Subject:** Input a message subject.
  5. **Save to Auto Text:** Stores the text message in the saved auto text messaging.
  6. **Insert/Erase Pic :** To insert/erase a taked picture.

- 5 To send the text message, press [SEND].

## INBOX

The Inbox contains received text messages, picture message notifications, and picture messages. To access:

- 1 Press [MENU] .

- : New Msg (not read)
- : Old Msg (already read)

- 2 Select a message and press [OK]. To delete a message, press [ERASE].
- 3 The message is displayed. To “Reply” to the message, press [REPLY].
- 4 Press [MORE].

### ERASE

- 1 Select the message to be erased by pressing [1 MSG] .
- 2 Press [OK] .

### FORWARD

- 1 To forward the text or picture message, press [2 ABC] .
- 2 Input the phone number of the person you are sending the message, then press [OK].
- 3 To forward the text message, then press [MORE] and select “1. Send”.




## INBOX

### SAVE TO CONTACT

- 1 To save the contact number, press  .


### \*SAVE ATTACHED

- 1 To save the object to the “My stuff” folder, press  .

### SAVE MESSAGE

- 1 To save the message, press  .

### \*INFO

- 1 To show the picture message information, press  .



- “\*Save Attached” or “\*Info” menu display appears only with a picture message.

## VIRGIN ALERTS

### VIRGIN ALERTS

- 1 Press  [MENU]   .

- 2 Select a message, then press  [OK].

- 3 The Virgin Alert or Download Alert will be displayed.



- The Virgin Alerts folder contains both Virgin Alerts as well as Download Alerts.

## OUTBOX

Manages sent text messages or messages waiting to be sent.

### CHECKING SENT TEXT AND PICTURE MESSAGES

1 Press [MENU] .

- : Auto resend
- : Fail
- : Not sent
- : Sent

2 Select a message and press [OK].  
To delete a message, press [ERASE].

3 The message is displayed.  
To “Resend” message, press [RESEND].

4 Press [MORE].

### ERASE

1 To erase the message, press [ERASE].  
“Erase this message?” will be displayed.

2 Press [OK].

### SEND TO

1 To send the message to another person, press [2 ABC].

2 Input your text message, then press [OK].

3 Input your text message, then press [MORE]  
and select “1. Send”.

## OUTBOX

### SAVE TO CONTACT

1 To save the contact number, press [3 soft key].  
When the number is highlighted, press [OK],  
then follow the steps for adding a new contact  
to the phone book.

### SAVE MESSAGE

1 To save the text or picture message, press [4 soft key].

### \*INFO

1 To show the picture message information,  
press [5 soft key].



- “\*Info” menu display appears only with a picture message.

## SAVED

### SAVED

Manages saved messages from the Inbox/Outbox.

- 1 Press [MENU] .
- 2 2.1. Select a text message then press [OK].  
The text message is displayed.  
2.2. To “Reply” or “Resend” the message, press [REPLY/RESEND].
- 3 Press [MORE] for options.

- 1. Erase
- 2. Send to
- 3. Save to contact
- 4. Info

- 4 If the text message is saved from the “Inbox” menu, this screen will be displayed.

- To select inbox menu: Erase, Forward, Save Contact, \*Save Attached, \*Info

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

- To select inbox menu: Erase, Send To, Save Contact, \*Info

- 5 Select one by pressing [OK].

**NOTE** • “\*Info” or “\*Save Attached” menu appears only with a picture message.

## ERASE MSGS

### ERASE MESSAGES

- 1 Press [MENU] .
- 2 1. To erase all the inbox messages, press .
  - Read Msg Only : To erase all messages already read. (However, the locked Message(s) will not be deleted).
  - Entire Inbox : To erase all messages.2. To erase all the outbox messages, press .
- 3 To erase the saved messages, press .
- 3 Select “OK” or “Cancel” with [OK] or [CANCEL].

## MSG SETTINGS

Manages messaging features through various features.

### MSG SOUNDS

Enables phone to alert you of an incoming message.

- 1 Press [MENU] .  
Then press for “MSG Sounds”.
- 2 Select one of the following options:

- Msg Tone
- Vibrate
- Silent
- Ring & Remind
- Vibrate & Remind

- 3 To confirm, press [OK].

### AUTO TEXT

To edit the auto text message you have saved:

- 1 Press [MENU] .  
Then press for “Auto Text”.  
Select one message from the list with the Navigation key and press [OK].
- 2 To add an auto text message,  
press [ADD]. Enter the auto text message  
and press [SAVE].
- 3 Your new auto text message is displayed in the list.  
Press [MORE].

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

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

## MSG SETTINGS

### SAVE TO OUTBOX

- 1 Press [MENU] .  
Then press for “Save to Outbox”.
- 2 Select “Off”, “On”, or “Prompt”.
- 3 Press [OK].

### AUTO ERASE

Automatically erases inbox/outbox messages when new messages arrive.

#### INBOX

- 1 Press [MENU] .
- 2 Press .  
Select “Disable” or “Enable”.
- 3 Press [OK].






#### OUTBOX

- 1 Press [MENU] .
- 2 Press .  
Select “Disable” or “Enable”.
- 3 Press [OK].

## MSG SETTINGS

### ENTRY MODE

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

- 1 Press  [MENU]   .
- 2 Then press  .  
Select “Alpha Mode” or “T9 Mode”.
- 3 Press  [OK].

# Chapter 6

## VIRGINXL

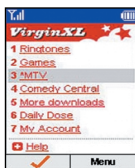
This chapter explains how to access VirginXL - a collection of features including downloadable ringtones and games, as well as other fun stuff. For details, visit [www.virginmobileusa.com](http://www.virginmobileusa.com).

### ■ VIRGINXL

## ACCESSING & NAVIGATING VIRGINXL

VirginXL is a fun collection of features which you can access directly from your phone - music, movies, and more. Charges may apply. Visit [www.virginmobileusa.com](http://www.virginmobileusa.com) for details.

- 1 To access VirginXL, press . Or, press [MENU] .
- 2 Scroll down the page using the navigation key .
- 3 To select one of the options at the bottom of the display, press or .
- 4 To return to the previous menu, press .
- 5 To exit VirginXL, press .



- When you select VirginXL, a session is initiated.
- You cannot receive incoming calls when a VirginXL session is in progress.

# Chapter 7

## SAFETY AND WARRANTY

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

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

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

# SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

*Read This Information Before Using Your Handheld  
Portable Cellular Telephone*

## EXPOSURE TO RADIO FREQUENCY SIGNALS

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

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

ANSI C95.1 (1992) \*  
NCRP Report 86 (1986) \*  
ICNIRP (1996) \*

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

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

## ANTENNA CARE

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

# SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

## DRIVING SAFETY

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

Also, if using your phone while driving, please:

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

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

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



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

1\* : American National Standards Institute.

2\* : National Council on Radiation protection and measurements.

3\* : International Commission on Nonionizing Radiation Protection.

# SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

## ELECTRONIC DEVICES

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

### PACEMAKERS

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

Persons with pacemakers :

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

### OTHER MEDICAL DEVICES

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

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

### POSTED FACILITIES

Turn your phone OFF where posted notices so require.

# SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

## OTHER SAFETY GUIDELINES

### AIRCRAFT

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

### BLASTING AREAS

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

### POTENTIALLY EXPLOSIVE ATMOSPHERES

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle's engine.



## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

### PRECAUTIONS

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



DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.



DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.



DO NOT expose this equipment to rain or spilled beverages.



DO NOT use unauthorized accessories.



DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized Audiovox cellular service center. If unit is disassembled, the risk of electric shock or fire may result.



DO NOT short-circuit the battery terminals with metal items etc.

## SAFETY INFORMATION FOR FCC RF EXPOSURE



**WARNING!** Read this Information before using

### CAUTIONS

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

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

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

### BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 2.0 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.0 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.



For more information about RF exposure, please visit the FCC website at [www.fcc.gov](http://www.fcc.gov)

## SAR INFORMATION

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

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

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

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

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on PP4TX-110C.

## SAR INFORMATION

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

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



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

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

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

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

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

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 wire-less 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 wire-less 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 wire-less phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

## 11. What about wireless phone interference with medical equipment?

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

## 12. Where can I find additional information?

For additional information, please refer to the following resources:

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

## PROTECT YOUR WARRANTY

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

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

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



### AUDIOVOX COMMUNICATIONS CORP.

555 Wireless Blvd., Hauppauge, New York 11788, 800-229-1235  
16808 Marquardt Avenue, Cerritos, California 90703, 562-802-5100  
Audiovox Canada  
5155 Spectrum Way, Unit #5, Mississauga, Ontario  
Canada L4W 5A1, 800-465-9672

## 12 MONTH LIMITED WARRANTY

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

The antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase.

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

This Warranty does not apply to:

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

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

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

## 12 MONTH LIMITED WARRANTY

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

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

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

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

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

**IN USA : AUDIOVOX COMMUNICATIONS CORP.**

555 Wireless Blvd.  
Hauppauge, NY 11788  
(800) 229-1235

**IN CANADA : AUDIOVOX COMMUNICATIONS CANADA CO.**

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

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