KTF

UX-200

User Guide

Please read this manual before operating your phone, and keep it for future reference.

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For Your Safety

Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to, or misuse of, the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment.

Before You Start

Safety Instructions

WARNING! To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32°F or greater than 104°F, such as outside during a snowstorm or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby inadequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone. Turn off your phone in a medical facility or at a gas station.

Never place your phone in a microwave oven as this will cause the battery to explode.

IMPORTANT! Please read the TIA SAFETY INFORMATION on page 101 before using your phone.

Safety Information

Please read and observe the following information for the safe and proper use of your phone and to prevent any unanticipated damage. Also, keep the user's manual in an accessible place at all times after reading it.

▶ Unplug the power cord and charger during a lightning storm to avoid electric shock or fire.

▶ Do not use your phone in high explosive areas as the phone may generate sparks.

▶ Do not put your phone in a place subject to excessive dust, and keep the minimum required distance between the power cord and heat sources.

▶ Do not damage the power cord by bending, twisting, pulling, or subjecting it to heat. Do not use the plug if it is loose as it may cause fire or electric shock.

▶ Hold the power cord plug firmly to plug and unplug the power cord. Ensure the plug is firmly connected. If it is not firmly connected, it may cause excessive heat or fire.

▶ Do not place a heavy item on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.

▶ Be careful not to let the battery contact metal conductors such as a necklace or coins. When shorted, it may cause an explosion.

▶ Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.

▶ Using a damaged battery or placing a battery in your mouth may cause serious injury.

▶ Do not place items containing magnetic components such as a credit card, phone card, bank book or a subway ticket, near your phone. The magnetic strip can be damaged by the phone.

▶ Do not hold or let the antenna come in contact with your body during a call.

▶ Talking on your phone for a long period of time may reduce the call quality due to heat generated during the use of the phone.

▶ Do not allow excessive vibration or impact to the phone.

▶ When you do not plan to use the phone for a long period of time, store it in a safe area with the power cord unplugged.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications (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 (RF) 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.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations.

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

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 20mm between the use's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 20mm must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 20mm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that may cause undesired operation.

Cautions for Battery

▶ Do not disassemble.

▶ Do not short-circuit.

▶ Do not expose to high temperature: 60°C (140°F).

▶ Do not incinerate.

Battery Disposal

▶ Please dispose of your battery properly or bring to your local wireless carrier for recycling.

▶ Do not dispose in fire or with hazardous or flammable materials.

Adapter (Charger) Cautions

▶ Using the wrong battery charger could damage your phone and void your warranty.

▶ The adapter or battery charger is intended for indoor use only.

Do not expose the adapter or battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Phone Overview

UX-200 closed view

Antenna

Headset Connector

Service LED

Camera hot key

Volume key

Sub LCD

Camera

Speaker

Power/Accessory Connector

UX-200 open view

1. Earpiece

2. Flip

3. LCD Screen

10. Web Key

11. My Menu Key

12. Navigation Key

4. Left Soft Key

5. Camera key

6. Side Key

7. Send Key

13. Right Soft Key

14. Message Key

15. END/POWER Key

16. Clear Key

8. Alphanumeric Keypad

9. Manner Mode Key

17. Lock Mode Key

18. Microphone

UX-200 Features

1. Earpiece

2. Flip: Flip open the case to answer an incoming call and close to end the call.

3. LCD Screen: Diplays messages and indicator icons.

4. Left Soft Key: Use to display the function setting menu.

5. Camera key: Press this key to use the camera feature. Directly goes to the camera mode.

6. Side Keys: Use to adjust the ringer volume in Main Menu screen and the earpiece volume during a calls.

7. Send Key: Use to place or answer calls.

8. Alphanumeric Keypad: Use to enter numbers and characters and select menu items.

9. Manner Mode Key: Use to set the Manner Mode (from Main Menu Screen press and hold ✍ for about 3 seconds.)

10. Web Key

11. My Menu Key

12. Navigation Key: Use for quick access to Messages, Speaker on/off, Voice dial and Sound.

13. Right Soft Key: Use to select an action within a menu.

14. Message Key: Use to retriefe or send voice and text message.

15. END/POWER: Use to turn the power on/off and to end a call. Also return to the main menu items.

16. Clear Key: Press to delete a single space or character. Press and hold to delete entire words. Press this key once in a menu to go back one level.

17. **Lock Mode:** Use in Stand by mode to set the lock function by pressing and holding the key ⬙ for about 3 seconds.

18. **Micropnone**

Menus Overview

Press Left Soft Key ⌒ Menu, Press ◯ to Scroll.

1. Camera

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   9.4.5 Voice Privacy

   9.4.6 TTY Mode

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   9.5.1 System Select

   9.5.2 Select NAM

   9.5.3 Auto NAM

Getting Your Phone Started

The Battery

NOTE
   It is important to fully charge the battery before initial use of the phone.

The phone comes with a rechargeable battery. Keep the battery charged while not in use in order to maximize talk and standby time. The battery charge level is shown at the top of the LCD screen.

Installing the Battery

To install the battery, insert the battery into the opening on the back of the phone. Put the battery cover on the battery and push it slightly upwards.
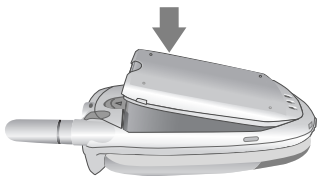
Removing the Battery

Turn the power off. While pressing the PUSH button on the back of the phone, pull the battery cover downwards and remove it.
Then remove the battery by pressing the upper area of it.
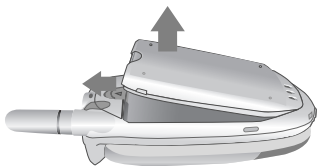
Charging the Battery

To use the charger provided with your phone:

Warning! Use only the charger provided with the phone. Using any charger other than the one included with the VX3200 may damage your phone or battery.

1. Plug the round end of the adapter into the phone's charger jack and the other end into an electrical outlet.

2. The red light indicates the battery is charging and the green light indicates the battery is fully charged. The charge time varies depending upon the battery level. The maximum charge time for a fully discharged battery is 3.5 hours.

Battery Charge Level

The battery charge level is shown at the top right of the LCD screen. When the battery charge level becomes low, the low battery sensor alerts you in three ways: sounding an audible tone, blinking the battery icon, and displaying *LOW BATTERY WARNING!* If the battery charge level becomes exceedingly low, the phone automatically switches off and any function in progress is not saved.

Fully Charged   **Fully Discharged**

Turning the Phone On and Off

Turning the Phone On

1. Install a charged battery or connect the phone to an external power source such as a cigarette lighter charger or hands-free car kit.

2. Press ✐ for a few seconds until the LCD screen lights up.

NOTE

Like any other radio device, avoid any unnecessary contact with the antenna while your phone is on.

Turning the Phone Off

1. Press and hold ✐ until the display turns off.

Signal Strength

Call quality depends on the signal strength in your area. The signal strength is indicated on the screen as the number of bars next to the signal strength icon: The more bars, the better the signal strength. If the signal quality is poor, move to an open area. If you are in a building, the reception may be better near a window.

On-Screen Icons

The table below describes various display indicators or icons that appear on the phone's display screen.

Icon	Description
	Signal strength indicator. The strength of the signal received by the phone is indicated by the number of bars displayed.
	Bttery indicator. Indicates battery charge level.
	In use indicator. A call in progress. * No icon indicates the phone is in main Menu Screen.
	No service indicator. The phone is not receiving a system signal.
	New text message indicator.
	New voice mail indicator.
	New photo mail indicator.
	In vibrate
1×	1x service indicator.
A	Analog indicator.
D	Digital indicator.
	Roaming indicator. The phone is outside of the home service area.
⊕))	Location on mode.
⊕	E911 only mode.

General Functions

Making a Call

Entering the Number

1. Press area code and phone number.

▶ Press ⌨CLR short to erase one digit at a time and press long to erase at once.

▶ When Automatic Area Code has been set, just press the phone number.

2. Press ✎ shortly

▶ When connected to the base, screen displays the calling time and the charge is endowed from a point when you have been connected to the responder.

▶ Press & short from the standby screen to check the call list.

3. Press ✎ after the call.

▶ Press & long to make a call to the recent number.

Recent Calls list

1. Press ✎ shortly

▶ press ⌨ , ⌨ , ⌨ .

▶ When the number is the one stored in the Phone Book, number is displayed when the name has not been assigned to that particular number.

2. Enter number through ⌨ .

3. Press ✎ after the call.

Placing Calls using Speed Dialing

1. Press long the speed dial number assigned

▶ When saved in numbers 2~99, just press the last digit.

Ex) In case of Number 2: Press ⌷2ABC⌷ long,
                         Press ⌷1⌷ long, Conecting to voice mail box.

  Number 99: Press the first ⌷9⌷ short and second ⌷9⌷ long

▶ Or press ✎ after pressing corresponding number.

NOTE

   What is Default Number?
   When you enter and store one or more phone numbers under one name, set the
   default number that is most frequently used or more important from the two.
   • You can use speed dial based on the numbers assigned as default number.

Digits of the Phone Number

1. Enter last 4 digits of the phone number.

▶ Press the last digit of the four digits long to make a call.

▶ When there is same phone numbers with same last digit, select the
  correct number and press ✎ .

▶ Phone numbers must be stored.

Making Call through Auto Search

▶. Enter 3 or more digits of the phone number and search the name
  with ◯ .

▶ Auto search is activated upon the purchase. When 3 or more digits
  are entered, the list of phone numbers corresponding to this
  condition is displayed on the screen.

▶ Move to the list you want and use SUB menu for multi task.

2. Select the phone number with ⌢ and press ⓞ .

▶ Select "Auto Search Off" in the SUB Menu if you do not wish to use auto search.

▶ Results of auto search is arranged in a unit of 10 numbers. Press 213 to see the next 10 results.

Signal Strength

If you are inside a building, being near a window may give you better reception. You can see the strength of your signal by the signal indicator (📶) on your phone's display screen.

Manner Mode

Use Manner Mode in public places. When Manner Mode is set, 📳 is displayed on the screen, the key tones are silent, and the phone is set to vibrate.

Manner Mode Quick Activation

• From Main Menu Screen press 📳 for 3 seconds.

Manner Mode Quick Cancellation

• Press 📳 to switch to Normal Mode.

Lock Mode

Use Lock Mode to prevent others from using your phone.
When Lock Mode is set, your 4-digit password is required to use the phone.

NOTE
   The lock code/password is the last 4 digits of your phone number.

Lock Mode Quick Activation

• From Main Menu Screen, press ✍ for 3 seconds.

Lock Mode Quick Cancellation

• Press Right Soft Key ⟨·⟩ **Unlock** then enter your 4-digit password.

Mute Function

The Mute function prevents the other party from hearing your voice, but allows you to hear the other party.

Mute Quice Activation

• Press Side Key Long Mute during a call.
  Mute Quick Cancellation

Volume Quick Adjustment

Use the side keys to adjust the earpiece and ringer volumes.

The upper key increases the volume and the lower key decreases the volume.

• Earpiece volume can be adjusted during a call.

NOTE

　Key beep volume is adjusted through the Menu.

Call Waiting

Your cellular service may offer call waiting. While a call is in progress, two beeps indicate another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call. Check with your cellular service provider for information about this function.

1. Press 　 to receive a waiting call.

2. Press 　 again to switch between calls.

Caller ID

Caller ID displays the phone number or name of the incoming call. If the caller's identity is stored in Contacts, the name appears with the number. Check with your service provider to ensure they offer this feature.

Receiving Calls

Folder Closed / Opened

1. Call Reception screen is displayed in the inner/external LCD screen and a ringer is sounded

NOTE
> • If the phone number is already stored in the Phone Book, the sender number is displayed with registered name. If the photo is registered with the phone number, upon the reception of stored phone number, registered photo is displayed in internal LCD.

▶ When setting the phone to vibrate, phone vibrates and when set to mute, lamp blinks upon receiving calls.

▶ When the you open the folder or folder is opened upon receiving a call, press a button except to answer a call.

▶ When you receive a call with the folder closed, press to control the size of the number in external screen.

Missed Calls

Checking Missed Calls

1. Number of missed calls is displayed on external screen

▶ Press short in standby to show Missed Call symbol on the list.

▶ Press for Missed Call screen to disappear.

2. When the folder is opened, 'Missed Calls' will be displayed on the screen.

▶ Press to check missed calls.

▶ Check missed calls to save received number or send multi mail.

▶ Number of missed calls is displayed without separate limitations.
Only the recently received number is displayed on the screen.

Entering Letters

You can enter letters

• Enter Name
• Enter Banner text
• Enter Name, Memo upon phone number registration
• Add/modify Group name
• When using multi mail
• When setting schedule/anniversary
• When saving photo

Changing Entry Mode

• Select from English, Spanish, Capital / Small Cased Letters using
  OK .
• Press ⌐ in text entry screen to select symbol text entry.

Entering Symbols

• Press ⌐ in Character Enter screen to show Special Character list

NOTE
  • Press CLR short to erase one letter, or long to erase all letters at once.
  • Press ○ when enterting character or symbol for one space in between and press
    ○ to cancel spacing or enter character.

▶ Select symbol category with ○ .
Move page with ○ .

▶ Press the first number of wanted character and press ⌐ to save.

Call Functions

Selecting Call Functions

• Press ⌢ while placing or receiving calls

1. Mute

This function makes sure your voice is not heard to the caller during the call.

Press ⌢, ⌨ to mute. Function is automatically cancelled after the call.

2. Button Volume Mute

This function makes sure no sound is made when pressing the buttons during the call.

Function is automatically cancelled after the call.

3. Phone Book

You can use all functions of the phone book during the call. (Note Phone Book)

Press ⌨ to go to upper menu.

4. Send Self Phone Number

This function automatically sends your phone number to the opponent during the call.

It is convenient when entering the self phone number while paging or using ARS.

Convenient Functions

Using My Menu

• Press 🔘 Short

NOTE

- **There are three settings in My Menu.**
- • Basic Setting : There are 12 basic setting menus.
- • Automatic Setting : Automatically renews frequently used functions.
- • Users Setting : Delete to SUB menu from automatically set function/Menu Setting and Locking/Location can be changed.
  If folder is closed, press Volume Adjustment button long.

▶ Press 🔘 long for the Shortcut to My Menu Setting.

▶ There are up to 12 menu lists that were recently used.
  (Initial setting is automatic)

▶ You can use frequently used menu easily.

Using the Voicememo

• Press 🔘 , 🔘 , 🔘 , 🔘 .

NOTE

Press Side Key long in standby to set/cancel Voicememo.

▶ If Voicememo is set, the function operates in 5 seconds upon the phone call.

Using Phone Menus

Menu Access

Press Left soft Key ⌐ **Menu** to have access to nine phone menu.
There are two methods to access menus and submenus:

• Use the navigation key to highlight and select, or

• Press the number key that corresponds to the menu or submenu.

For example:

1. Press Left Soft Key ⌐ **Menu**.
   nine Menu item are displayed.
   Use ◯ to scroll through the list of menus.

2. Press the appropriate number key corresponding to the menu item you
   want to select.
   The sub-menu list will be displayed.

3. Press the appropriate number key corresponding to the sub-menu
   you want to access.

4. Use ◯ to highlight your preferred setting and press to select it.

NOTE
   • Press ⌐ to go back one step while accessing the menu of selectiong a setting
   • Press ⌐ to cancel without saving.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize the phone. These functions are arranged in menus and sub-menus, accessed via the two soft keys marked ⌐·⌐ and ⌐·⌐. Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Press the left soft key to access the available Menus.

Press the right soft key to access the Address Book.

Camera

Take Picture (Menu ☐ ☐)

Using the camera module built in your phone, you can take pictures of people or events while on the move. Additionally, you can send photos to other people in a picture message.

Record Movie (Menu ☐ ☐)

This application enables you to record a video clip.

You can play and watch a saved video file while using this function.

View Album (Menu ☐ ☐)

In this menu, you can review the pictures you have taken.

This feature offers the ability to store all captured photo images in an album. When no images have been captured, the Empty message will be displayed. The picture will display the last image viewed. The title of the image will be displayed on top as well as the the index number of the displayed image.
The left or right navigation key is used to view previous or next image.

Send Picture Message (Menu ☐ ☐)

Allows you to send the picture message.

Camera Settings (Menu [1] [5])

Photo Size (Menu [1] [5] [1])

• Press [•], [1], [5], [1].

Sets the image size to one of 640X480(VGA), 352X288(CIF), 176X144(QCIF), 128X144(Large), 128X96(Small).

The selected image size displays on the capture screen.

MJPEG Size (Menu [1] [5] [2])

• Press [•], [1], [5], [2].

Set MJPEG (Menu [1] [5] [3])

• Press [•], [1], [5], [3].

Allows you to set the Sel or High Definition

Save Photo (Menu [1] [5] [4])

• Press [•], [1], [5], [4].

Phonebook

View All (Menu 2ABC 1)

- View the number if available and call it, or save it in the Phonebook.
- All the lists registered in the Phonebook are displayed.
- Press ⊙ to use SUB menu.
- Enter vowel to search only with the list of corresponding last name.

Search (Menu 2ABC 2ABC)

By Name (Menu 2ABC 2ABC 1)

Allows you to add a new name.

- Press ⊙, 2ABC, 2ABC, 1.

When entering one vowel letter, search just by the last name. Enter 2 or more vowels to search with both last and first names.

▶ Enter all or part of the name and press OK.

By Number (Menu 2ABC 2ABC 2ABC)

Allows you to add a new number.

- Press ⊙, 2ABC, 2ABC, 2ABC.

▶ Enter all or parts of the phone number and press OK.

By Group (Menu 2ABC 2ABC 3DEF)

Allows you to add a new number.

- Press ⊙, 2ABC, 2ABC, 3DEF.

▶ Search with ◯ and press OK.

By E-mail (Menu 2 2 4)

Allows you to save a new E-mail address.

• Press · , 2 , 2 , 4 .

▶ Enter part or all of E-mail and press OK .

By Photo (Menu 2 2 5)

• Press · , 2 , 2 , 5 .

▶ Search with ◯ and press OK .

New Entry   (Menu 2 3)

Saving (Adding) Phone Number.

1. Enter area code and phone number and press OK .

▶ A pop up screen asking the location to save phone number (Handset / Home / Office / Pager / Fax / Other) is displayed.

▶ Modify Group Name and Group Ringer in Group Edit menu.

▶ When saving by setting 'Hide' function, the phone number cannot be shown, even through search, unless the setting in Controller Limitation / Security Set Show Hidden Number is set 'Cancel'.

▶ Up to 2500 phone numbers can be saved.

Speed Dial (Menu 2 ABC 4 GHI)

• Press ⌃, 2 ABC , 4 GHI .

▶ The number listed in front of the list is speed dialing number.

▶ As speed dialing, you can save up to 2~9 numbers. Press the last digit of corresponding number to make a call to saved phone number.

▶ When there is no speed dialing number registered, move to upper menu after information message.

Edit Group (Menu 2 ABC 5 JKL)

• Press ⌃, 2 ABC , 5 JKL .

▶ There are total of 10 Group Lists.

▶ Press OK when changing the name.

My Contact Info (Menu 2 ABC 9 WXYZ)

• Press ⌃, 2 ABC , 6 MNO .

▶ The phone number of present mobile phone is displayed.

▶ Press OK to edit E-mail and memo.

Recent Calls

You can check the record of missed, received, and dialed calls only if the network supports the Calling Line Identification (CLI) within the service area.

The number and name (if available) are displayed together with the date and time at which the call was made. You can also view call times and costs.

All Calls   (Menu 3 1)

Total length of all calls made and incoming calls since the timer was last reset.

Dialed Calls   (Menu 3 2)

This option lets you view the last 20 outgoing calls (called or attempted).

You can also:

• View the number if available and call it or save it in the Address Book

• Enter new name for the number and save both in the Address Book

• Send a message by this number

• Delete the call from the list

• Delete all incoming calls from the list

Received Calls (Menu 3 3)

This option lets you view the last 20 incoming calls.

You can also:

• View the number if available and call it, or save it in the Address Book

• Enter a new name for the number and save both in the Address Book

• Send a message by this number

• Delete the call from the list

• Delete all incoming calls from the list

Missed Calls (Menu 3 4)

This option lets you view the last 10 unanswered calls.

You can also:

• View the number if available and call it, or save it in the Address Book

• Enter a new name for the number and save both in the Address Book

• Send a message by this number

• Delete the call from the list

• Delete all missed calls from the list

Call Timer (Menu 3 5)

Allows you to see the voice call time or data usage timer.

Messaging

Your phone receives voice mail notification messages and Short Message Service (SMS) messages.

Voice mail and SMS are network services. Please contact your service provider for more information.

When the ✉ icon appears, you have received a new voice mail.

Whenthe ✉ icon appears, you have received a new text message.

If the message memory is full, an error message is displayed, the ✉ icon flashes and you cannot receive any new messages. Use the Delete option in the Inbox (Menu 4.2) to delete obsolete messages. Once there is space in the memory any undelivered SMS messages will be received (provided sufficient space is available).

New Message   (Menu 4 1)

You can send text messages, pages, and e-mail transmissions.

Text messages: Transmits text(with or without umber).

Page messages: Transmits only numbers without text.

To send a message, enter an SMS phone number to Address1.

To send e-mail, enter recipient's e-mail address.

New Pix Message   (Menu 4 2)

Inbox (Menu 4 3)

Received text messages, page messages, and email lists may be searched and the contents may be viewed.

Received messages are displayed from newest to oldest.

Outbox (Menu 4 4)

View lists and contents of sent messages in this menu and also verify if transmission was successful.

Saved (Menu 4 5)

This menu option shows the preset message list. Scroll through the list using the up/down navigation keys.

Voice Mail (Menu 4 6)

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).

Before using this feature, you must enter the voice server number obtained from your service provider.

When new voicemail is received, the symbol will be displayed on the screen. Please check with your network service provider for details of their service in order to configure the handset accordingly.

Message Settings (Menu 4 7)

This menu allows you to set up default SMS information.

Auto Save (Menu 4 7 1)

With this feature on, messages are automatically saved in the Outbox when transmitted.

Auto Erase (Menu 4 7 2)

With this feature on, read messages are automatically deleted when you exceed the storage limit.

Callback # (Menu 4 7 3)

Callback number.

New Msg Alert (Menu 4 7 4)

Allows you to select the alert type for a new message. Alert types are Voice Mail Alert, Text Msg Alert, Email Alert, Page Alert and 2 MIN Alert.

Signature (Menu 4 7 5)

You may edit the signature you want to automatically send with your messages.

Direct View (Menu 4 7 6)

Allows you to directly display the content when receiving a message.

Entry Mode (Menu $\boxed{4}$ $\boxed{7}$ $\boxed{7}$)

Allow you to select the default input method including T9Word, Abc, 123.

Edit Vmail # (Menu $\boxed{4}$ $\boxed{7}$ $\boxed{8}$)

Allows you to manually enter the access number for Voice mail service. This number should b only used when VMS access number is not provided from the network.

Quick-text (Menu $\boxed{4}$ $\boxed{7}$ $\boxed{9}$)

Message into the canned message list.

Font Size

You can configure the font size of the wording.

Get It Now

Get it Now allows you to do more than just talk on your phone. Get it Now is a technology and service that allows you to download and use applications on your phone.

When Get It Now, it is quick and easy to personalize your phone to your lifestyle and tastes. Just downloaded the applications that appeal to you.

With a wide range of software available, from instant messaging to games to office applications, you can be assured that you can find something useful, practical, or down right entertaining.

Plus, there are constanly new applications being creatde for your use.

Some examples of available applications types:

• Communication programs which allow you to send instant messages and e-mail.

• Productivity programs which allow you to synchroize with applications in your office. home, or PDA for more efficiency and better time managment.

• Entertainment programs which allow you to play single-player games, multi-player games, listen to music, watch videos. download custom rights and screens for display.

• Mobile Commerce programs which allow you to do financial transactions (such as checking your account balance, trade stocks, etc.)

• General Information programs which allow ou to get current news, weather, sports, or traffic.

You can downlode and use Get It Now anywhere on the Verizon Wireless network, as your handset has a digital signal

available. Application downlode time will very, but most applications will takke apporoximately 1minute to downlode. If your currently installed Get It now applications does not need a network connection, it can be used anywhere.

The time you spend browsing in Get It now for an applications, and while downloding applications, is deducted from your monthly airtime allowance.

Most applications do not use a network connection while in use.

However, there airtime charges while in use.

While downloading an application, any incoming calls will automatically be sent to your voicemail, if available. If you do not have voicemail, downloding will not be interrupted by an incoming call, however the caller will receive a busy signal.

When using an applications that does not require a network connection, an incoming call will automatically pause the applications and allow you to answer the call.

When you complete your call, you can resume using the application.

You can personalize your phone by adding new applications and by removing old once, at any time.

However, unused applications usage will be lost.

If you need more memory, but still want to be able to access the applications later, try using Disable.

Disabling keeps the applications usage and purchase information, but removes it from memory.

To restors an applications, go to Options, select the applications and click on Restore. If you have subscribed to an applications, you will still be charged even when an application is disabled.

Only removing an application deletes it completely from the memory of the phone. To restore an application once dit has been removed will require that you pay and downlod it again.

Airtime charged do apply when removing a subscription application.

There is no monthly usage fee for Get It Now.Rather, you pay for each application when you downlode.

Applications are priced individually, please see the Verizon Wierless website for a list of currently available applications and pricing.

This function allows you to downlode some grest mobile phone program (such as securities , chatting, and thematic displays to your mobile phones), whenever you like.

Get Apps   (Menu 5 1)

1. Press Soft Key 1 Menu.

2. Press 5 **Get It Now**.

3. Select 1 **Get Apps**.
   Main display of Get it now will appear.

4. Select [Get It Now] Icon and appear.

Start: allows you to downlode selected applications while displaying the Get it now application list relayed from the it now server in connection.

Get Info   (Menu 5 2)

Gives you information about the Get it now selection key.

NOTE
   Pressing the right arrow key will start Get It Now.

Mobile Web

The MiniBrowser feature allows you to view internet content, via VZW with MSN, especially designed for your mobile phone. Access and selections with in this feature are dependent upon your service provider. For specific information on MiniBrowser access through your phone, contact your service provider.

Start Browser (Menu 6 1)

1. A reminder of the charge will appear;
   press ⊙ Yes to launch MiniBrowser, if required.

2. After a few seconds, you see the Home Page.

Ending Minibrowser Session

You can end a Minibrowser session by pressing the ✐ .

Navigating through the Browser

While using MiniBrowser on-screen items may be presented in one of the following ways:

▶ numbered options.

▶ links embedded in content.

▶ text or numbers.

You can act on the options or the links by using the Soft Keys just below the display screen.

Navigation

Scrolling

You can use the up and down navigation keys to scroll through the content if the current page does not fit on one screen. The currently selected item is indicated by a cursor on the screen.

Fast Scrolling

Press and hold the up and down navigation keys to quickly move the cursor up and down on the current screen.

Scrolling by page

Press the Side Keys to move up and down a page at a time.

Home Page

To go to the Home Page, press and hold the $\searrow$ key.

View Browser Menu

Press and hold the $\boxed{\text{oo}}$ key to use the browser menu.

Clearing out text / number entered

When entering text or numbers, press the CLR key to clear the last number, letter or symbol. Press and hold CLR key to clear the input field completely.

Selecting and activating items

If the items on a page are numbered, you can use your numeric keypad or you can select the items by moving the cursor and pressing the appropriate Soft Keys.

Soft Keys

To navigate to different screens or select special functions, use the Soft Keys. Note that the function associated with the Soft Keys can change for each page and depends on each highlighted item.

Left Soft Key

Left Soft Key is used primarily for first options or selecting an item but its function may change, depending on the content displayed.

Right Soft Key

Right Soft Key is used primarily for secondary options or a menu of secondary options.

Entering Text, Numbers, or Symbols

When you are prompted to enter text, the current text entry method appears on Right Soft Key as Alpha, Symbol, Number, Word or Smart.

To change the input mode, use Right Soft Key.

To create an upper case character, use ✎ key.

The current text method appears on Right Soft Key as ALPHA or SMART and allows you to shift to input case sensitivity.

Initiating a phone call from MiniBrowser

You can make a phone call from MiniBrowser if the site you are using supports the feature (the phone number may be highlighted and Left Soft Key appears as Call).

The browser connection is terminated when you initiate the call. After you end the call, your phone returns to the screen from which you initiated the call.

Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

To create a bookmark:

Go to the page that you want to mark. On the browser menu, select Mark Site or press and hold the   key.

If the page has a title, it is automatically used for the name of the bookmark. When the bookmark is saved you can change the bookmark name if you choose. Selecting Save saves the name and adds the page to the bottom of your list of bookmarks.

A message appears confirming that the bookmark is added to the list. Select Left Soft Key Ok to return to the screen that you marked to resume navigation within the MiniBrowser.

This function is dependent upon the html coding of the page and determined by the website.

Finding a bookmark

From the Home Page, press and hold the number associated with the bookmark in the bookmark list.

Web Message   (Menu   )

If there are any browser messages the list is displayed.

Web Setting   (Menu 🔆 🔆)

Prompt

You can specify whether you want the phone to display warning prompts while using the MiniBrowser.

The first prompt occurs prior to making a MiniBrowser call; you are informed that there is a charge and asked if you still want to launch the browser. This step is used to prevent accidental activation of the browser since all subscribers are provided with the browser automatically.

The second prompt asks if you want to exit the browser, after you press the 🔆 key.

At Start: You only see the prompt asking whether or not to start.

At End: You see the prompt asking to stop.

Both: You see the prompts asking whether to start and stop.

None: No warning prompts are displayed.

Alert Beep

There are 3 alert options. Mute, 2 Beeps and 4 Beeps options are provided in this menu. The user may select a browser alert sound.

Media Gallery

Pic/Movie Album (Menu 7 1)

1. Press the left soft key .
2. Press 7 Media Gallery
3. Press 1 Pic/Movie Album

Graphics (Menu 7 2)

1. Press the left soft key .
2. Press 7 Media Gallery
3. Press 2 Graphics

Music (Menu 6 3)

1. Press the left soft key .
2. Press 7 Media Gallery
3. Press 3 Music

Voice Memo (Menu 6 2)

1. Press the left soft key .
2. Press 7 Media Gallery
3. Press 4 Voice Memo

Tools

Alarm Clock (Menu 8 1)

Set the alarm to ring at a specific time. You can change the alarm
mode and alarm ringer type using the up or down navigation key.

1. Press , 8 , 1 .

2. Select the alarm you want to edit.

   1 **Morning Call** / 2 **Alarm 1** / 3 **Alarm 2** /

   4 **Handy Alarm**

3. Use to highlight the alarm time then press OK .

4. Set the time for alarm and press OK .

5. Use to highlight Once and press OK .

6. Press to select one of the following and press OK .
   Once / **Mo-Fr** / **Mo-Sa** / **Daily**

Scheduler (Menu 8 2)

1. Press , 8 , 2 .

Scheduler keeps your agenda convenient and easy to access. Simply
store your appointments and your phone alerts you with a reminder of
your appointment. You can also take advantage of the alarm clock
feature.

NOTE
> Scheduler will not alert you during a call, when transmitting SMS, or when
> connecting up. After exiting, it will sound the reminder.

Memo   (Menu 8🔘 3🔘)

To write, edit and delete a memo on a specific date, proceed as follows.

1. Press 🔘, 8🔘, 3🔘.

2. Press the Left Soft Key 🔘 [New].

3. Input the subject, memo and press the OK key.

# Voice Memo   (Menu 8🔘 4🔘)

Allows you to listen to, add, and erase short verbal reminders.

1. Press 🔘, 8🔘, 4🔘.

2. Press Left Soft Key 🔘 **Rec** to record a new voice memo.

3. Select the Voice Memo you want then press Left Soft Key 🔘 **Menu**.
   Send Msg: Sends the selected voice memo by SMS.
   Edit Title: Edits the title of the Voice Memo.
   Max Size:

Calculator   (Menu 8🔘 5🔘)

Allows you to calculate simple mathematical computations. You can enter numbers up to the second decimal place.

1. Press 🔘, 8🔘, 5🔘.

Using the Calculator

1. Enter the first number using the numeric keys.

2. Use the navigation keys to select a sign for calculation.

NOTE

To include a decimal point, press the ⌨ key.

3. To calculate the result, press the (OK) key.

World Time (Menu 8 TUV 6 MNO)

Allows you to determine the current time in another time zone or country.

1. Press ⌨, 8 TUV, 6 MNO.

D-day (Menu 8 TUV 7 WXYZ)

1. Press ⌨, 8 TUV, 7 WXYZ.

2. Select the desired item in the list to view title, target date on days remaining.

Setup

Sound (Menu 9 1)

You can use the Sound Settings feature to customize various settings, such as the:

▶ Ring melody, volume and type

▶ Sounds made when you press a key, make an error or receive a message

Ringer Type (Menu 9 1 1)

1. Press · , 9 , 1 , 1 .

This option allows you to select the required ring melody. You can choose between many different melodies.

If you have downloaded any sounds from the Internet or received any ring tone messages, you can view the list in this menu.

Volume (Menu 9 1 2)

1. Press · , 9 , 1 , 2 .

2. Select **Ringer** / **Earpiece** / **Key Tone** / **Alarm** / **Msg**.

3. Adjust the volume of the ringer with O then press OK to save the setting.

▶ **Ringer:** To set the volume level for the ringing tones.

▶ **Earpiece:** When using the earpiece, volume level can be adjusted.

▶ **Key Tone:** To set the volume level for keypad tones.

▶ **Alarm:** This can adjust the alarm level.

▶ **Msg:** This can adjust the message tone.

Key Tone (Menu 🔟 ⟨1⟩ ⟨3⟩)

1. Press ⟨·⟩, 🔟, ⟨1⟩, ⟨3⟩.

Type: This menu option allows you to select a tone that the phone sounds when you press a key. You can select an option from **Beep**, **Button snd 1** and **Button snd 2**.

DTMF Length: Allows you to set the Key Tone length and touch tone playback speed.

   • Short: Sends out a tone for a fixed period of time even if you keep the key pressed.

   • Long: Sends out a continuous tone for as long as you keep the key pressed.

NOTE

Dual-Tone Multi Frequency (DTMF) Signaling by the simultaneous transmission of two tones, one from a group of low frequencies and another from a group of high frequencies. Each group of frequencies consists of four frequencies. Setting the Key Beep length to Long will extend the DTMF tone.

Volume: To set the volume level for keypad tones.

Alerts (Menu 🔟 ⟨1⟩ ⟨4⟩)

Allows you to set any of the four Alert options to either **On** or **Off**.

1. Press ⟨·⟩, 🔟, ⟨1⟩, ⟨4⟩.

2. Select an alert option.

Out of Batt.:

Minute Beep: Alerts you 10 seconds before the end of every minute during a call.

Call Connect: Alerts you when the call is connected.

Service: Alerts you when service changes. When you enter a service area, the phone displays *Entering Service Area* message. When you leave a service area, the phone displays *Leaving Service Area* message.

Sound Effect (Menu 🔲 🔲 🔲)

1. Press ⌐, 🔲, 🔲, 🔲.

2. Select **Flip Open** / **Flip Close** / **Menu** / **Noti(confirm)** / **Noti(error)**.

3. Adjust the sound effect with 🔲 then press 🔲 to save the setting.

Power On/Off Tone (Menu 🔲 🔲 🔲)

Allows you to set the phone to sound a tone when the phone is powered on, powered off, or both.

1. Press ⌐, 🔲, 🔲, 🔲.

2. Set your selection with 🔲.

3. Press 🔲 to save the setting.

Display (Menu 🔲 🔲)

Select Scrns (Menu 🔲 🔲 🔲)

Allows you to choose the kind of background to be displayed on the phone.

1. Press ⌐, 🔲, 🔲, 🔲.

2. Select **Wallpaper** / **Power On** / **Power Off** / **Outgoing Call** / **Incoming Call** then press 🔲.

3. Select from different screens then press 🔲.

Edit Standby (Menu 9 2 2)

1. Press ⊙, 9, 2, 2.

2. Select **Banner** / **Font Type** / **Font Color** / **Banner Disp.** / **Clock/date** / **Status Icon** / **Banner Postn** then press ⊛.

3. Select from different screens then press ⊛.

Menu Color (Menu 9 2 3)

Allows you to choose the color of the background screen.

1. Press ⊙, 9, 2, 3.

Backlight (Menu 9 2 4)

Allows you to set the duration for illuminating the backlight.

Main LCD, Front LCD, Key and Pwr Save Mode are set separately.

1. Press ⊙, 9, 2, 4.

Main LCD: 5 sec / 10 sec / 20 sec / 30 sec / Always On

• Always On means that the backlight is always on.

Front LCD: 5 sec / 10 sec / 20 sec / 30 sec

Key: 5 sec / 10 sec / Off

• Off means that the backlight is never on.

Pwr Save Mode: On / Off

• When the phone is in an area without service, it stops searching for service and enters into Power Saver Mode.

Font (Menu ⑨ 2ABC 5XL)

Allows you to set the size and color of the font.

1. Press ⌒ , ⑨ , 2ABC , 5XL .
2. Select **Standard** / **Kid** then press ⊙ .

Front LCD Stng (Menu ⑨ 2ABC 6MNO)

1. Press ⌒ , ⑨ , 2ABC , 6MNO .
2. Select **Wallpaper** / **Caller ID Size** / **Backlight** / **Contrast** then press ⊙ .
3. Select from different screens then press ⊙ .

Menu Style (Menu ⑨ 2ABC 7PQRS)

Allows you to view the Menu as an Icon or List display.

1. Press ⌒ , ⑨ , 2ABC , 7PQRS .
2. Select Icon or List and press ⊙ .

Contrast (Menu ⑨ 2ABC 8TUV)

Allows you to set the level of contrast for your LCD screen.

1. Press ⌒ , ⑨ , 2ABC , 8TUV .
2. Use ⊙ to adjust the contrast level.

My Shortcut (Menu 9 3)

1. Press ⌒ , 9 , 3 .
2. Select **Auto Settg** / **User Settg** / **Default Settg** then press (OK) .

Call Setup (Menu 9 4)

The Call Setup menu allows you to designate how the phone handles both incoming and outgoing calls.

Auto Answer (Menu 9 4 1)

Allows you to select the number of rings before the phone automatically answers a call. This feature is intended for use with hands free devices, but is an independent feature of the phone and must be manually turned on/off when connected or disconnected from the device.

Answer Mode (Menu 9 4 2)

Allows you to determine how to initiate an answered call.

1. Press ⌒ , 9 , 4 , 2 .
2. Select **Flip Open** / **Any Key** / **Send Only** then press (OK) .

Auto Retry (Menu 9 4 3)

Allows you to set the length of time the phone waits before automatically redialing a number when the attempted call fails.

1. Press ⌒ , 9 , 4 , 3 .
2. Select **Off** / **Every 10 sec** / **Every 20 sec** / **Every 30 sec** then press (OK) .

One-touch Dial (Menu 9 4 4)

Allows you to initiate a speed dial call by pressing and holding the speed dial digit. If set to **Disable**, Speed Dial numbers designated in your Contacts will not function.

1. Press ., 9, 4, 4 .

2. Select **Enable** / **Disable** then press OK .

Voice Privacy (Menu 9 4 5)

Allows you to set the voice privacy feature for CDMA calls as Enhanced or Standard. CDMA offers inherent voice privacy. Check with your service provider for availability.

1. Press ., 9, 4, 5 .

2. Select **Enhanced** / **Standard** then press OK .

TTY Mode (Menu 9 4 6)

Allows you to attach a TTY device enabling you to communicate with parties also using a TTY device. A phone with TTY support is able to translate typed characters to voice.
Voice can also be translated into characters and then displayed on the TTY.

1. Press ., 9, 4, 6 .

2. Press OK .

2. Select **TTY Full** / **TTY+Talk** / **TTY+Hear** / **TTY Off** then press OK .

System (Menu 9 5)

The System menu allows you to designate specific system network settings.

Select System (Menu 9 5 1)

Allows you to set up the phone producer's management environment. Leave this setting as the default unless you want to alter system selection as instructed by your service provider.

1. Press , 9 , 5 , 1 .
2. Select **Home Only** / **Automatic** then press (OK) .

Select NAM (Menu 9 5 2)

Allows you to select the phone's NAM (Number Assignment Module) if the phone is registered with multiple service providers.

1. Press , 9 , 5 , 2 .
2. Enter the password then press (OK) .

Auto NAM (Menu 9 5 3)

Allows the phone to automatically switch between programmed telephone numbers corresponding to the service provider area.

1. Press , 9 , 5 , 3 .
2. Select **On** / **Off** then press (OK) .

Security (Menu 9 6)

The Security menu allows you to secure the phone electronically.

Privacy (Menu 9 6 1)

Restrict (Menu 9 6 2)

Allows you to restrict outgoing calls. If you set this feature to **On**, you can only place calls to emergency numbers and phone numbers stored in your Contacts. You can still receive calls in the restrict mode.

1. Press , 9 , 6 , 2 .

2. Enter the four-digit lock code.

3. Press 2 **Restrict**.

4. Select **On** / **Off** then press OK .

Lock Phone (Menu 9 6 3)

Keeps your phone from unauthorized use. Once the phone is locked, it is in restricted mode until the lock code is entered. You can receive phone calls and still make emergency calls.

You can modify the lock code using the New Lock code within the Security menu.

1. Press , 9 , 6 , 3 .

2. Enter the four-digit lock code.
   The lock code is commonly the last 4 digits of your phone number.

3. Press 🔑 **Lock Phone**.

4. Select an option then press ⊙ .

Unlock: The phone is never locked (Lock mode can be used).

Lock: The phone is always locked.
When locked, you can receive incomingcalls or make only emergency calls.

On Power Up: The phone is locked when it is turned on.

Change Code (Menu 9 6 4)

Allows you to enter a new four-digit lock code.

1. Press ⊙ , 9 , 6 , 4 .

2. Enter the four-digit lock code.

3. Press 4 **Change Code**.

4. For confirmation, it will ask you to enter the new lock code again.

Emergency # (Menu 9 6 5)

Allows you to enter 3 emergency numbers You can call these emergency numbers and 911, even when the phone is locked or restricted.

1. Press ⊙ , 9 , 6 , 5 .

2. Enter the four-digit lock code.

3. Press 5 **Emergency #**.

4. Select emergency number using ⬭ .

5. Enter an emergency phone number then press ⊙ .

Erase Phonebook (Menu 9 6 6)

Allows you to erase all of your Contacts at once.

1. Press ( ), 9 , 6 , 6 .

2. Enter the four-digit lock code.

Memory Mgt (Menu 9 7)

This indicates the available memory capacity. The total available memory is 300KB and the remaining capacity is displayed.

Language (Menu 9 8)

Allows you to set the bilingual feature according to your preference. Choose between English and Spanish.

1. Press ( ), 9 , 8 .

2. Set **English** / **Spanish** with then press (ok) .

Location (Menu 9 9)

Menu for GPS (Global Positioning System: Satellite assisted location information system) mode.

1. Press ( ), 9 , 9 .

2. Select **911 ONLY** / **LOCATION ON** then press .

NOTE
GPS satellite signals are not always transmitted, especially under bad atmospheric and environmental conditions, indoors or otherwise.

1X Data   (Menu –10)

ASync/FAX (Menu – 10 –)

In the ASync/FAX setting, you can use your phone to transmit data and faxes. Wireless data communication services refer to the utilization of subscriber terminals for access to the internet with personal computers or laptops at 19.2 Kbps or at maximum of 230.4 Kbps. The connection speed depends on your carrier's network and other variables. Contact communication information specifications must match the network.

1. Press , , 10, .

2. Select an option and press .

• Answer voice as voice / Answer voice as FAX once /
  Answer voice as FAX until off

Port Setting (Menu – 10 –)

1. Press , , 10, .

• USB-DS, U1-DM USB-DS and NULL-DM U1-DS.

Port Speed (Menu – 10 –)

This setting enables you to set the port speed.

• AUTOBAUD / 9,600 / 19,200 / 38,400 / 57,600 / 115,200 / 230,400.

Device Info   (Menu –11)

The Phone Info menu provides you with specific information pertaining to your phone model.

Accessories

There are a variety of accessories available for your mobile phone. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Adapter

This adapter allows you to charge the battery.
It supports standard U.S. 120 Volt 60Hz outlets.
It takes 5 hours to charge a completely discharged battery.

Battery

Standard battery is available.

Vehicle Power Adapter

You can operate the phone and trickle charge the phone battery from your vehicle by using the vehicle power adapter.
It takes 5 hours to charge a completely discharged battery.

Headset

Connects to your phone, allowing hands-free operation. Includes earpiece, microphone, and integrated call answer/termination button.

Data Cable Kit

Connects your phone to a PC.

Safety Guidelines

TIA Safety Information

The following is the complete TIA Safety Information for wireless handheld phones.

Exposure to Radio Frequency Signal

Your wireless handheld portable phone 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)

American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection 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 (C95.1).

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.

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:

Do not touch the antenna unnecessarily when the phone is in use.

Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive and always obey them. Also, if using your phone while driving, please observe the following:

▶ 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 or the law so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals.

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:

▶ Should ALWAYS keep the phone more than six (6) inches from their pacemaker when the phone is turned ON;

▶ Should not carry the phone in a breast pocket;

▶ Should use the ear opposite the pacemaker to minimize the potential for interference;

▶ Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids.

In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives.) Optional for each phone manufacturer.

Other Medical Devices

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

Health Care Facilities

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

Vehicles

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

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

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

Blasting Areas

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

Potentially Explosive Atmosphere

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 marked clearly. Potential areas may include: fueling areas (such as gasoline 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 engine.

For Vehicles Equipped with an Air Bag

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

Charger and Adapter Safety

▶ The charger and adapter are intended for indoor use only.

▶ Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.

Battery Information and Care

▶ Please dispose of your battery properly or take it to your local wireless carrier for recycling.

▶ Do not dispose of your battery in fire or with hazardous or flammable materials.

▶ Never store your phone in temperatures less than -4° F or greater than 122° F.

▶ Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.

▶ The battery does not need to be fully discharged before recharging.

▶ Use only KTF-approved chargers specific to your phone model since they are designed to maximize battery life.

▶ Do not disassemble or short-circuit the battery.

▶ Keep the battery's metal contacts clean.

▶ Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.

▶ Recharge the battery after long periods of non-use to maximize battery life.

▶ Battery life will vary due to usage patterns and environmental conditions.

▶ Use of extended backlighting, MiniBrowser, and data connectivity kits affect battery life and talk/standby times.

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user's guide in an accessible place at all the times after reading it.

Explosion, Shock, and Fire Hazards

▶ Make sure that no sharp-edged items such as animal's teeth, nails, come into contact with the battery. There is a risk of this causing a fire.

▶ Do not use harsh chemicals(such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.

▶ When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.

▶ Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.

▶ Do not drop, strike, or shake your phone severely. Such actions may harm the internal circuit boards of the phone.

▶ Be careful that children do not swallow any parts such as rubber plugs (earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation.

▶ Do not use your phone in high explosive areas as the phone may generate sparks.

▶ Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.

▶ Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.

▶ Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause a fire or electric shock.

▶ When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.

▶ Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.

▶ Do not disassemble the phone.

▶ Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.

▶ If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.

▶ Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.

▶ Never place your phone in a microwave oven as it will cause the battery to explode.

General Warnings and Cautions

▶ Only use the batteries, antennas, and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.

▶ Store the battery in a place out of reach of children.

▶ Using a damaged battery or placing a battery in your mouth may cause serious injury.

▶ Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.

▶ Do not hold or let the antenna come in contact with your body during a call.

▶ Talking on your phone for a long period of time may reduce call quality due to heat generated during use.

▶ When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.

▶ Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.

▶ Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.

▶ Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.

▶ Do not use the phone in areas where its use is prohibited. (For example: aircraft).

▶ Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.

▶ The power cord on this product will expose you to lead, a chemical known to the State of California to cause (cancer, and) birth defects or other reproductive harm. Wash hands after handling.

FDA Consumer Update

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones:

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the Main Menu Screen. 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 the FDA's role concerning the safety of wireless phones?

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, the 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, the 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.

The 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

▶ Occupational Safety and Health Administration

▶ National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

The 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. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

The FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

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

The term "wireless phone" refers here to handheld wireless phones with built-in antennas, often called "cell", "mobile", or "PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head.

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

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

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one

exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop – if they do – may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

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

The 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 radio frequency energy (RF). The 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. The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with 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 radio frequency 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 radio frequency energy (RF) exposures. The FCC established these guidelines in consultation with the FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

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

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency 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 radio frequency 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 radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

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

11. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the 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 the 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.

The 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.

The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

FDA web page on wireless phones
(http://www.fda.gov/cdrh/phones/index.html)

Federal Communications Commission (FCC) RF Safety Program
(http://www.fcc.gov/oet/rfsafety)

International Commission on Non-Ionizing Radiation Protection
(http://www.icnirp.de)

World Health Organization (WHO) International EMF Project
(http://www.who.int/emf)

National Radiological Protection Board (UK)
(http://www.nrpb.org.uk/)

10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voiceal most anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When operating a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.

3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.

4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip – dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations – with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website www.wow-com.com

Consumer Information on SAR (Specific Absorption Rate)

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 radio frequency (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 using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although 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. Because the phone is designed to operate at multiple power levels 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 1.39 W/kg and when worn on the body, as described in this user guide, is 0.60 W/kg (body-worn measurements differ among phone

models, depending upon available accessories and FCC requirements). While there may be differences between 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 emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID: SDJKTFT-UX200. 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.