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LIMITED WARRANTY STATEMENT

1. WHAT THIS WARRANTY COVERS:

LG offers you a limited warranty that the enclosed subscriber unit and its enclosed accessories will be free from defects in material and workmanship, according to the following terms and conditions:

- (1) The limited warranty for the unit and enclosed accessories shall be a period of one (1) year from the date of original purchase. The remaining warranty period for the unit being repaired or replaced shall be determined by presentation of the original sales receipt for the purchase of the unit.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
- (3) The limited warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S., including Alaska, Hawaii, U.S. Territories, and all Canadian Provinces.
- (4) The external housing and cosmetic parts shall be free of major defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
- (5) Upon request from LG, the consumer must provide information satisfactory to LG to prove the date of purchase or exchange.
- (6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damage resulting from use of the product in other than its normal and customary manner.
- (2) Defect or damage from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, or spills of food or liquid.
- (3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.
- (4) Alleged defects or malfunctions of the product if the Customer Service Department at LG was not notified by the consumer during the applicable limited warranty period.
- (5) Products, which have had the serial number, removed or made illegible.

- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including but not limited to any implied warranty of marketability merchantability or fitness for a particular use.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

3. STATE LAW RIGHTS:

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG INFOCOMM U.S.A., INC. SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive of limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations 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.

4. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call the following telephone number from anywhere in the continental United States:

Tel. 1-800-793-8896

www.lgeservice.com

Please call or write for the location of the LGE authorized service center nearest you and the procedures for obtaining warranty claims.



201 JAMES RECORD ROAD, HUNTSVILLE, AL 35824

Subject

The VX4500 phone has been designed to operate on the latest digital mobile communication technology, Code Division Multiple Access (CDMA). This CDMA digital technology has greatly enhanced voice clarity and can provide a variety of advanced features. Currently, CDMA mobile communication technology has been commercially used in Cellular and Personal Communication Service (PCS).

The difference between Cellular and PCS is operating frequency. Cellular uses 800Mhz and PCS uses 1.9Ghz.

CDMA technology adopts DSSS (Direct Sequence Spread Spectrum). DSSS enables the phone to keep communication from being crossed and enables multiple users in the same specific area to use one frequency channel, resulting in a 10 fold increase in capacity when compared with the analog mode currently used. Soft/Softer Handoff, Hard Handoff, and Dynamic RF power Control technologies are combined into this phone to reduce call interruptions.

The Cellular and PCS CDMA networks consist of MSO (Mobile Switching Office), BSC (Base Station Controller), BTS (Base station Transmission System), and MS (Mobile Station). The following table lists some major CDMA Standards.

CDMA Standard	Designator	Description
Basic air interface	TIA/EIA/IS-95-A ANSI J-STD-008	Protocol between MS and BTS for Cellular Protocol between MS and BTS for PCS
Network	TIA/EIA/IS-634 TIA/EIA/IS/651 TIA/EIA/IS-4 1-C TIA/EIA/IS-124	MAS-BS PCSC-RS Intersystem operations Nom-signaling data comm.
Service	TIA/EIA/IS-96-B TIA/EIA/IS-99 TIA/EIA/IS-637 TIA/EIA/IS-657	Speech CODEC Assign data and fax Short message service Packet data
Performance	TIA/EIA/IS-97 TIA/EIA/IS-98 ANSI J-STD-018 ANSI J-STD-019 TIA/EIA/IS-125	Cellular base station Cellular mobile station PCS personal station PCS base station Speech CODEC

* TSB -74: Protocol between an IS-95A system and ANSI J-STD-008

1xRTT system receives subscribers in wireless sections twice as much as IS-95. Its battery life is twice as long as IS-95. High-speed data transmission is also possible.

Introduction

Highlights

Congratulations! Your new mobile phone will change the way you communicate and is a compact, lightweight personal communication system with added features for the person on the go. Our advanced digital mobile communication technology features the following:

- ▶ Large, easy-to-read, 8-line, backlit LCD with status icons.
- ▶ Paging, messaging, voice mail, and caller ID.
- ▶ 18-key keypad.
- ▶ Long battery standby and talk time.
- ▶ Menu-driven interface with prompts for easy operation and configuration.
- ▶ Any key answer, auto answer, auto retry, and one-touch dialing and speed dialing with 99 memory locations.
- ▶ Bilingual (English and Spanish menu languages are available).

Important Information

This user's manual provides important information on the use and operation of your phone. Please read all the information carefully prior to using the phone for best performance and to prevent any damage to or misuse of the phone. Any unapproved change or modification will void your warranty.

Check Accessories

Your mobile phone comes with a one-slot desktop charger and a rechargeable battery. Please verify that your accessories are included.

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 snow storm 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 inadequately shielded electronic equipment nearby. 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 111) 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 by accident. 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 influence high frequency devices.
- ▶ Do not put your phone in a place subject to excessive dust, and be careful to 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 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 any 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 contacts touch metal conductors such as a necklace or coins. When shorted, it may cause an explosion.
- ▶ Do not disassemble or allow heavy impact to 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 with a magnetic strip, such as a credit card, phone card, bank book and a 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 the call quality due to heat generated during use.
- ▶ Do not allow excessive vibration or impact to the phone.
- ▶ When you do not use the phone for a long period 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 0.6 inches (1.5 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.6 inches (1.5 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.6 inches (1.5 cm) 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.

Vehicle Mounted External Antenna (optional, if available)

A minimum separation distance of 8 inches (20 cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, visit the FCC website at www.fcc.gov

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.

Chapter 1. Getting Started

Cautions

- ▶ Using the phone near receiving equipment (i.e., TV or radio) may cause interference.
- ▶ Keep your phone in a safe place when not in use.
- ▶ Only use the batteries, antennas, and chargers provided by LG. Using unauthorized accessories could void your warranty.
- ▶ Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently void the warranty.
- ▶ Do not hold the antenna while the phone is in use.
- ▶ Do not use the phone in designated no cellular phone use areas.
- ▶ Do not expose the phone to high temperature or humidity.
- ▶ Avoid getting your phone wet. If the phone gets wet, turn the power off immediately and remove the battery. If the phone is non-functional, return it to the dealer for service.
- ▶ Avoid shock or impact to the phone.

Using the Battery Pack

Charge the battery fully 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 when using the phone.

Installing the Battery

To install the battery, insert the bottom of the battery into the opening on the back of the phone. Then, push the battery down until the latch clicks.

Removing the Battery

Turn the power off. (If power is on, a loss of stored numbers and messages may occur.)

Lifting release latch detaches the battery from the phone.

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 will alert you in three ways: sounding an audible tone, blinking the battery icon outline, and displaying **LOW BATTERY WARNING!** If the battery charge level becomes exceedingly low, the phone will automatically switch off and any function in progress will not be saved.

Using the Desktop Charger

The desktop charger has a slot for recharging your phone's battery.

Warning! Use only the desktop charger provided with the phone. Using an unauthorized charger may cause damage to your phone or battery.

1. Plug the charger into a wall outlet.

- ▶ The phone must be charged from a 120 V power source only.

2. Insert the phone with an installed battery or a battery into the slot of the charger.

- ▶ Red light indicates the battery is being charged.
- ▶ Green light indicates the battery is fully charged.

Charging time will vary depending upon battery level. Maximum charging time for a fully discharged battery will not exceed 3 hours.

WARNING!

DO NOT charge the phone battery using desktop charger and the travel charger simultaneously, this may cause the battery to be altered or damaged.

Caring for the Battery

1. You do not need to wait until the battery is completely discharged to recharge the battery.
2. Use only LG batteries and chargers specific to your model of phone. LG's chargers are designed to maximize battery life.
3. Do not disassemble or short-circuit the battery.
4. Keep the battery's metal contacts clean.
5. Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before it needs replacing.
6. Recharge the battery if it has not been used for a long time to maximize battery life.
7. Do not expose the battery charger to direct sunlight or use it in areas of high humidity, such as the bathroom.
8. Do not leave the battery in hot or cold places, this may deteriorate battery performance.
9. Your battery life may vary by location, use patterns, etc.
10. Long backlight settings, searching for service, MiniBrowser, data connectivity, and synchronization all may affect battery life, talk, and standby time.

Phone Components

The following shows key components of your mobile phone.

Phone Overview

1. Earpiece

2. **Cellcase** Open the cellcase (flip) to answer an incoming call and close to end the call.

3. **Message Key** Allow you to retrieve or send voice and text messages.

4. **SEND** Allows you to place or answer calls.

5. **Side Keys** Allows you to adjust key beep volume (in standby mode) and earpiece volume (during a call).

6. Voice Memo Key

With the cellcase open:

Voice Recognition will be operated by quickly pressing Voice Memo Key after opening a folder. Voice Memo Recording will be operated by pressing and holding Voice Memo Key after opening a folder.

With the cellcase closed:

Allows you to select Manner Mode/Silence All.

7. Headset Jack

8. Manner Mode/Silence All Key

In standby mode, allows you to set the Manner Mode by pressing and holding the  key about 3 seconds.

Selecting Manner Mode will allow you to maintain your phone under Manner Mode even when you turn it off and turn it back on.

9. **LCD screen** Displays messages and indicator icons.

10. Soft Keys

Soft Key 1 

Used to display the function setting menu.

Soft Key 2 

Used to select an action within a menu.

11. **Lamp** The red light illuminates when you turn the power on and when you have an incoming call or message.

12. **Navigation Key** Allows quick access to  text and voice mail notification messages,

 Get It Now,  Schedule and  Browser.

13. **END/PWR** Turns power on/off and to end a call. Using this key, you can return to the main menu display screen.

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

15. **Alphanumeric keypad** Allows you to enter numbers and characters and choose menu items.

16. Lock Mode Key

In standby mode, set the lock function by pressing and holding the  key about 3 seconds.

17. Microphone

Onscreen Icons

The phone screen displays several onscreen icons which appear when the phone is powered on.

Icons	Descriptions		
	Strength of the signal received by the phone. Current signal strength is indicated by the number of bars displayed on the screen.		
	No service The phone is not receiving a system signal.		
	In use A call is in progress. * No icon indicates the phone is in standby mode.		
	Digital indicator Digital service is available.		
	Analog indicator Analog service is available.		
	Roaming The phone is outside of its home service area.		
	Voice privacy		In case of lx service
	New text msgs		New voicemails
	New text & voice		In silence all mode
	Location on mode		E911 only mode
	SSL		TTY
	In Manner Mode (vibration)		
	Charge level Indicates battery charge level.		

Entering information using T9 Text Input

You can edit the Banner, Scheduler, Short Message, and Phone Book using T9 Text Input.

Key Functions

Soft Key 2: Press to scroll and select a mode through menus.

- You can scroll through the modes using Soft Key 2 in the following order : **T9Word-> Abc-> 123-> Symbol-> Smileys->**
- Shift Key (): Used to change the letter case.

 ~  (**Type Text**): In T9 mode, press one key per letter to enter text.

 ~  (**Type Numbers**): In 123 (Numbers) mode, press once to enter numbers.

 (**Next**): In T9 mode, press to display other matching words.

 (**Punctuation**): In T9 mode, press to insert punctuation in a word and complete a sentence.

 (**Space**): Press to complete a word or insert a space.

 (**Clear**): Press to delete a single space or character. Press and hold to delete entire words.

Input mode

T9 Text Input provides five modes for entering text, numbers, special characters, and punctuation.

T9Word (T9) Mode

Type text using one keystroke per letter. The default is T9 mode.

ABC (Multi-tap) Mode

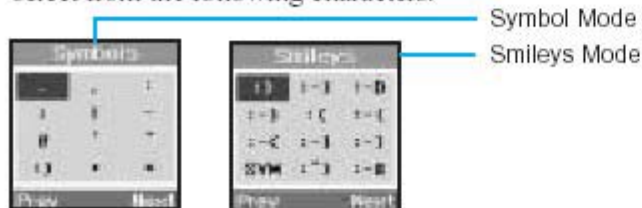
Use ABC mode to add words to the T9 database.

123 (Numbers) Mode

Type numbers using one keystroke per number. To change to 123 mode in a text entry field, press Soft Key 2 until 123 mode is displayed.

Symbol/Smileys Mode

Insert special characters, punctuation, or smileys. You may use any of the 35 special characters. When the cursor is located where you want the special character, switch to Symbol/Smileys mode. If you want to add a smiley, switch to the smileys mode. Press the Navigation Key  to cycle through and select from the following characters:



Changing Letter Case

There are three options for selecting letter case:

Initial Cap (T9En/Abc)

Only the first letter is capitalized.

Caps Lock (T9EN/ABC)

Press  to change letter case to Caps Lock. All subsequent letters are capitalized.

Lowercase (T9en/abc)

Press  again to change letter case to lowercase.

Examples Using T9 Text Input

Typing In T9 Mode

To type a new message, follow these steps:

1. Press: Soft Key 2  to change letter case to T9En mode.
2. Press:    .
3. Press:  to complete the word and add a space.
4. Press:         .
5. Display: Call the office.

Using the NEXT Key

After you have finished typing a word, if the word displayed is not the word you want, press  to display additional choices.

For example, follow these steps:

1. Press:    .
2. Display: Good
3. Press: .
4. Display: Home, Gone, Hood.....

Adding Words to the T9 Database

If a word is not in the T9 database, add it by using **ABC (Multi-tap) mode** text entry. The word is automatically added to the T9 database when you return to T9 mode. For example, follow these steps:

1. Press: Soft Key 2  to change letter case to ABC (multi-tap) mode.
2. Press:     .
3. Display: Int
4. Press: Soft Key 2  to change letter case to T9 mode and then the word Int will be added to the T9 database.
5. Press:  to erase the existing word.
6. Press:   .
7. Display: got

8. Press:  .

9. Display: Int

Examples Using ABC (Multi-tap) Text Input

Typing in ABC (Multi-tap) Mode

To type a new message, follow these steps:

1. Press: Soft Key 2  to change letter case to ABC mode.
2. Press:  to change to ABC Caps Lock mode.
3. Press:    .
4. Display: LG

Chapter 2. Basic Functions

Turning the Phone On and Off

Turning the Phone On

1. Install a charged battery pack or connect the phone to an external power source such as the cigarette lighter adapter or car kit.
2. Press  for a few seconds until the red lamp flashes.
 - ▶ Fully extend the antenna for the best performance.

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 display screen turns off, then release the key.
2. Protect the antenna by pushing it back into the phone, if extended.

Making a Call

When you make a call, follow these simple steps:

1. Make sure the phone is turned on.
 - ▶ If not, press .
2. Enter the phone number, with area code if needed.
3. Press 
 - ▶ If the phone is locked, enter the lock code.
 - ▶ **Call Failed** indicates that the call did not go through.
 - ▶ ***Restricted*** indicates that your outgoing calls are in restricted mode. You can only dial phone numbers saved in the Emergency or Phone Book list.
To turn off this function:
Menu -> ,  -> **Security** -> Enter Lock Code ->  **Restrict** -> **Off** -> **OK**
4. Press  to end the call.

When one-touch is enabled, enter the Phone Book speed dial number or hold the last digit until the call is made.

NOTE Phone number and entry name appear on the display when you enter the speed dial number and hold the last digit.

Correcting Dialing Mistakes

If you make mistakes while dialing a number, press  once to erase the last digit entered or hold down  for at least 2 seconds to delete all digits.

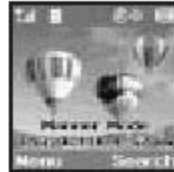
Receiving Calls

1. When the phone rings, open the cellcase or if the cellcase is open, press any key (except , , or ) to answer.
 - ▶ If you press  or the Side Keys () or Soft Key **quiet** while the phone is ringing, the ringing or vibration is muted for that call.
2. Press ,  twice or Soft Key **Ignore** to end the call.

Using Manner, Silence All, Lock Mode

Manner Mode (Quick)

Use Manner Mode in a public place.

1. In Standby Mode, activate Manner Mode quickly by pressing  (for 3 seconds) instead of using the Menu function.
 - When the cellcase is closed, Manner Mode can be activated by pressing and holding the Voice Memo Key.
 - ▶ When Manner Mode is set, **Manner Mode** () is displayed on the LCD screen.
 - ▶ When Manner Mode is set, key tone does not sound and Vibration is selected as the ringer.

NOTE Selecting Manner Mode will allow you to maintain your phone under Manner Mode even when you turn it off and turn it back on.

NOTE To cancel Manner Mode, press  again until *Silence All activated!* is displayed and press  again until *Normal Mode activated!* is displayed.

Silence All mode (Quick)

1. In Manner Mode, activate Silence All Mode quickly by pressing  (for 3 seconds).

- When the cellcase is closed, Manner Mode can be activated by pressing and holding the Voice Memo Key.

- ▶ When Silence All Mode is set, there are no tones from the keys and the ringer does not sound but the lamp blinks instead.



NOTE To cancel Silence All Mode, press  again until *Normal Mode activated!* is displayed.

NOTE To change to a different mode, from Standby Mode press -> Manner Mode -> Silence All Mode.

Lock Mode (Quick)

Use Lock Mode to prevent others from using your phone.

1. In Standby Mode, to activate Lock Mode quickly, press  (for 3 seconds).

Phone is now locked! will be displayed.



NOTE To cancel Lock Mode, press Soft Key 2 **Unlock**, then enter your password (4 digits).

Call Waiting

Your cellular service may offer a call waiting function. While a call is in progress, you may hear two beeps indicating 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.

Mute

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

1. Press Soft Key 1 **Mute** during a call.
2. To cancel Mute, press Soft Key 1 **Unmute** again.

Redialing Calls

1. Press  to redial the last number in Call History.
 - ▶ You can also redial any of the last 30 numbers you have dialed. The last 30 numbers are stored in the call history list.

Adjusting the Volume

The volume keys on the left side (Side Keys) of the phone can be used to adjust the earpiece, ringer, and key beep volumes. The upper key is used to increase and the lower key is used to decrease the volume.

- ▶ You may adjust the earpiece volume during a call or through the Menu feature.
Low -> Low Med -> Med -> Med High -> High
- ▶ The ringer volume can be adjusted in Standby mode or through the Menu feature.
Off -> Vibrate -> Low -> Low Med -> Med -> Med High -> High -> High & Vib
- ▶ The key beep volume is adjusted through Menu feature only.
Off -> Low -> Low Med -> Med -> Med High -> High

Power Save Mode

When the phone is in an area without service for about 15 minutes, it stops searching for service and enters into **Power Save Mode**. When your phone activates this feature, *Power Save* is displayed on the screen. The phone automatically checks for service periodically or you can check manually by pressing any key.

Signal Strength

The call quality depends on the signal strength in your area. The current signal strength is displayed 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. For maximum reception, make sure that the antenna is fully extended.

Caller ID Display

The small LCD on the outside of the phone displays information such as:

- ▶ Date and Time.
- ▶ Caller ID (caller's information [name and/or number]).
- ▶ Number of new messages.
- ▶ No service status and Power Save Mode.
- ▶ Wake up and scheduler message.
- ▶ Number of missed calls.

The phone will display the most recent information until the cellcase is opened, then the information will appear on the main display.

Speed Dialing (Making a call from Phone Book)

Speed dialing is a convenient feature which allows you to make phone calls quickly and easily. Your phone recalls the phone number from your personal directory, displays it briefly, and then dials it.

1. Enter a speed dial number 01 to 99.
2. Press .

Caller ID

Caller ID lets you know who is calling by displaying the number of the person calling when your phone rings. If the caller's name and number are already stored in your Phone Book, the corresponding name appears with the number.

You should check with your service provider to ensure they offer this feature.

Phone Book Features

You can store up to 200 entries in your Phone Book with easy access to your most frequently dialed phone numbers.

Personal Phone Book Memory

The phone has 200 personal phone book memory locations where you can store up to 5 phone numbers with 48 digit capacity for each phone number.

Saving Numbers in Your Personal Phone Book

Memory locations 1 through 9 should be used for one-touch dialing for your most frequently used phone numbers.

1. Input the phone number that you want to save (up to 32 digits).
2. Press Soft Key 1 **Save**, the sub-menu appears.
3. Select Label on the sub-menu and press .
4. Select your desired label types **Home**, **Office**, **Mobile**, **Pager**, **Fax**, **None** using .
5. Enter a name for the phone number (up to 22 characters). If you do not want to enter a name, press  to go to the next step.



- You may select the desired ID ring type, secret and .
- Press Soft Key 1 **Save**.
A confirmation prompt **PhoneBook entry saved.** displays on the phone.



Retrieving Numbers

Retrieving by Name Search

- Press Soft Key 2 **Search**.
- Press Soft Key 2 **Actions**.
- Select **Name**.
- Enter the character(s) that you want to search for (such as the few letters of the name.)
- Press .
- You will see a list of matches.
- Press Soft Key 1 **Edit** to see specifics in that entry, or press  to place the call.



Making a Call From Your Phone Book

You can place a call from any memory location either by using speed dialing or by entering the phone number and pressing .

One-Touch Speed Dialing: This feature enables you to dial 9 of your most frequently used numbers using a single key press. These numbers are stored in your Phone Book in memory locations (1 through 9).

- ▶ For locations 1 through 9, you can use one-touch dialing by pressing and holding the corresponding key to the memory location to be dialed.

or

- ▶ Press a digit, then press .

Two-Touch Speed Dialing: This feature enables you to dial numbers in your Phone Book through two keys (for locations 10 to 99).

- Press the first digit.
- Press and hold the key of the second digit.

or

- Press the first and second digit, then press .

Dialing from an Entry List

1. From an entry list, use the navigation key to go to the entry you want.
2. Press .

Dialing from a Memory Location

While viewing a memory location, press  to place the call.

Advanced Phone Book Features

- ▶ **Pause Feature:** When you call automated systems (such as voice mail or credit billing numbers), you often have to enter a series of numbers. Instead of entering these numbers by hand, you can store the numbers in your phone book separated by special characters (**P** , **T**) called pauses. There are two different pauses that you can use when storing a number:
 - ▶ **Hard pause (P)**
The phone will stop dialing until you press Soft Key 1 **Resume** to advance to the next number.
 - ▶ **2-sec pause (T)**
The phone will wait 2 seconds before sending the next string of digits.

Storing a number with pauses.

- 1) Enter the phone number.
 - 2) Press Soft Key 2 **Actions**.
 - 3) Select one of the following:
 - ▶ Press 1 **Hard Pause**.
 - ▶ Press 2 **2-sec Pause**.
 - 4) Enter additional number(s) (e.g., pin number or credit card number).
 - 5) Press Soft Key 1 **Save** and select label, the sub-menu will appear. Select **Save** on the sub-menu to save this number with pauses.
 - 6) Select your desired label type **Home, Office, Mobile, Pager, Fax, None** using .
 - 7) Enter a name for the phone number (up to 22 characters) or choose to add it to an existing name in the Phone Book.
Press Soft Key 1 **Save**. A confirmation message **Phone Book entry saved.** displays on the phone.
- ▶ **Prepending a Stored Number** Prepend can be used if you are out of your home system area and need to add the area code to an existing Phone Book number. When a Phone Book entry or message callback number shows up on the display, you can add to the beginning of the original number. However, you cannot edit the original number during Prepend.
 - 1) Recall a number in memory.
 - 2) Enter the prepend digits to the phone number.
 - 3) Press .

- ▶ Dynamic Search
 - ▶ Number Dynamic Search

Compares entered numbers against the entries in the Phone Book and then displays a matching list in descending order. You can then call a number from the list.
 - ▶ Name Dynamic Search

Compares entered letters against the entries in the Phone Book and then displays a matching list in descending order. You can then call a number from the list.

Chapter 3. Menu Features

General Guidelines to Menu Access and Settings

1. Press Soft Key 1 **Menu**. Nine menu items will appear on the display screen.
2. Press  to go through the list of menu features.
3. Press the appropriate number key corresponding to the menu item that you want to select. The sub-menu list will then appear on the screen.
4. Press the appropriate number key corresponding to the sub-menu you want to access.
5. Use  to select your preferred setting. Press  to go back one step while accessing the menu or selecting a setting.
6. Press  to save the settings or press  to cancel without saving.

2 Contacts (Menu)

List Contacts (Menu ,)

Allows you to view the list of entries in the Phone Book.

1. From the **Contacts** Menu, select  **List Contacts** and press .
2. Press Soft Key 2 **Actions**, and press either **Search** or **Erase**, and then press .
3. You may register a new phone number by pressing Soft Key 1 **New**.

New Number (Menu ,)

Allows you to add new entries into the Phone Book.

1. From the **Contacts** Menu, select  **New Number** and press .
2. Enter the number and press .
3. Select the label you want and press .
4. Enter the Name and press .
5. Select either **Speed Dial** or **Voice Dial** and press .

New Email (Menu ,)

Groups (Menu ,)

Allows you to enter a new group, change the name of a group, or delete a whole group.

1. From the **Contacts** Menu, select  **Groups** and press .
2. Highlight the Group you wish to view and then press .
3. To add a new group to the list, press Soft Key 1 **Add**; to delete a group or to change the name, press Soft Key 2 **Action**.

Speed Dials (Menu ,)

Allows you to set the speed dial keys for the designated phone numbers.

1. From the **Contacts** Menu, select  **Speed Dials** and press .
2. Either select the number you wish to speed dial, or enter the number you want and press .

Voice Dials (Menu ,)

Allows you to view the list of numbers that have been programmed with voice dialing or add a voice dial tag to a number in the Phone Book.

1. From the **Contacts** Menu, select  **Voice Dials** and press .

How to Use: Record the voice dial tags by following the phone's prompts. When recording the voice tag, place the phone in a normal phone use position with the speaker by your ear and the microphone near your mouth.

NOTE Recordings should be made in a quiet place using a clear voice. Hands-free car kits or headsets should be avoided when recording.

My Contact Info (Menu ,)

Allows you to enter your own virtual business card to be used in e-mails or SMS messages.

1. From the **Contacts** Menu, select  **My Contact Info** and press .
2. Select the feature you want to edit by highlighting it and pressing .

3 Recent Calls (Menu)

Allows you to view a list of the last phone numbers or Phone Book entries for calls you placed, accepted, or missed. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Outgoing Calls (Menu ,)

Allows you to view the list of outgoing calls; up to 20 numbers and entries.

1. From the menu, select **Recent Calls**.
2. Press  **Outgoing Calls**.
3. Press  to view the list.
4. Highlight the entry you wish to view and press , or you may place a call by pressing .

Incoming Calls (Menu ,)

Allows you to view the list of incoming calls; up to 20 numbers and entries.

1. From the menu, select **Recent Calls**.
2. Press  **Incoming Calls**.
3. Press  to view the list.
4. Highlight the entry you wish to view and press , or you may place a call by pressing .

Missed Calls (Menu ,)

Allows you to view the list of missed calls; up to 20 numbers and entries.

1. From the menu, select **Recent Calls**.
2. Press  **Missed Calls**.
3. Press  to view the list.
4. Highlight the entry you wish to view and press , or you may place a call by pressing .

Erase Calls (Menu ,)

Allows you to erase the call history list.

1. From the menu, select **Recent Calls**.
2. Press  **Erase Calls**.
3. Select the list of calls you wish to erase and press



4. Press either 1 **Erase**, or 2 **Cancel** and press .

Call Timer (Menu ,)

Allows you to view the time duration of the calls.

1. From the menu, select **Recent Calls**.
2. Press  **Call Timer**.
3. Select from **Last Call/Home Calls/Roam Calls/All Calls**, and press .

4 Messages (Menu)

Text messages, pages, and the voicemail box become available as soon as the phone is powered on. You can access the above types of messages using the message key .

In addition, you can make a call to the callback number by pressing  during a message check.

The phone can store up to 116 messages (1 voice message; 50 inbox text messages, 50 outbox text messages, 15 saved text messages) with up to 160 characters per message. Users may read and edit messages saved in the outbox during transmission and send them.

Check whether your carrier provides the above features.

Character limits: The VX4500 supports up to 160 characters per message including header information. Limits to available characters per message may exist; please check with your service provider for system capabilities.

The information that is stored in the message is determined by phone mode and service capability. You can check types of messages by pressing the message key .

Message Menu

- ▶ **Voice:** Displays the number of messages in the voicemail box.
- ▶ **Send New:** Sends a message.
- ▶ **Inbox:** Displays the list of received messages.
- ▶ **Info Alerts:** Service is currently unavailable.
- ▶ **Outbox:** Displays the list of sent messages.
- ▶ **Saved:** Displays the list of saved and draft messages.
- ▶ **Msg Settings:** Selects alert type for new messages.
- ▶ **Erase All:** Deletes all stored messages.
- ▶ **My Folder:** Special features for messages.

New Message Alert

There are four ways your phone alerts you to new messages.

1. A message is displayed on the lcd screen.
2. One of four ring types is heard, if selected.
3. The red lamp blinks.
4. The message icon (✉) is displayed on the lcd screen. In the case of an urgent message, the icon will flash and it displays as an **Urgent message**.

NOTE If you receive the same message twice, your phone deletes the older one and the new one is stored as a **DUPLICATE**.

Voice (Menu ,)

Allows you to view the new voice messages recorded in the voicemail box. When you have a new voice message, your phone will alert you. Once you exceed the storage limit, old messages will be overwritten.

Checking your Voicemail Box

1. Press Soft Key 1 **Menu**.
2. Press .
3. Select  **Voice**.
 - ▶ To delete information press Soft Key 1 **Clear** and then select **Clear Count**.

Send New (Menu ,)

Allows you to send text messages, page messages, and e-mail transmissions.

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

Page messages: Transmits only numbers without text.

To send a message, enter an SMS phone number to **Address 1**.

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

Menu

Address 1: This feature allows multi-sending of up to 10 total addresses.

Select **Actions** by using Soft Key 2.

There are 6 optional menus of **Send, Priority, Add Sign, Callback#, Deferred**, and **Validity**.

1. Press Soft Key 1 **Menu**.
2. Press .
3. Select  **Send New**.
4. Enter the recipients address.

The address can be typed in or taken from a Phone Book entry.
5. Enter the message.

The text can be entered using the keypad or by selecting Canned Msg with Soft Key 2 **Insert**.

▶ Canned Msgs

There are 11 "predefined" phrases included in the Canned Msg option. You can also add up to 6 of your own phrases.

6. Select **Actions** using Soft Key 2 after entering the number of other party and the content with the Navigation Key. Select the item with .

- ▶ **Send** Allows you to send the message.
- ▶ **Priority** Allows you to give priority to message. Normal or Urgent.