

Verizon Wireless F450

User Manual

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Welcome

Your F450

Thank you for choosing F450 digital mobile phone. F450 can work in both CDMA and GSM networks, so you can make calls and send messages or emails while travelling or roaming.

To guarantee this mobile phone is always in its best condition, please read this manual carefully and keep it for future reference. To ensure your safety, read the section: **For Your Safety** thoroughly before using this phone for the first time.

Note: The pictures and icons presented in this manual are meant for illustrative purposes only and may not accurately represent the actual pictures and icons found on the phone. Your phone contains the most up to date information.

Phone Overview



-
1. **Earpiece:** Allows you to hear the caller.
 2. **LCD Screen:** Displays all the information needed to operate your phone.
 3. **Left Soft Key:** Press to display the Messaging menu or access the function listed above the key.
 4. **Send Key:** Press to make or receive a call. From idle mode, press to access the All Calls list.
 5. **Speakerphone Key:** Press to activate or deactivate the speakerphone.
 6. **Music Key:** Press to display the My Music menu from idle mode.
 7. **Voicemail Key:** Press and hold to dial your voicemail from idle mode.
 8. **Vibration Mode Key:** Press and hold to turn the vibration mode on or off from idle mode.
 9. **Lock Key:** Press and hold to lock the keypad from idle mode.
 10. **Message Key:** Press to open a new text message from idle mode.
 11. **OK Key:** Allows you to access the menu screen. It also allows you to accept choices when navigating through a menu.
 12. **CLR Key:** Delete characters or entire words during text entry mode. Press to return to the previous menu or screen.
 13. **End/Power Key:** Press to end calls or close applications. Press and hold to power your phone on or off.
 14. **Right Soft Key:** Press to display the Contacts List or access the function listed above the key.
 15. **Directional Key:** Allows you to scroll through phone menu options and provides a shortcut to phone functions from idle mode.
 16. **Accessory/USB Charger Port:** Connects the phone to the Wall Charger, or other compatible accessories.
 17. **Camera Key:** Press to access camera viewfinder mode or to take a picture.
 18. **Wrist Strap Eyelet:** Attach a strap (not included).
 19. **Flash Lamp:** The flash lamp for picture taking.
 20. **External Speaker:** Allows you to listen to music, sounds or ringtones.
 21. **Camera Lens:** The lens of your built-in camera.
 22. **3.5mm Headset Jack:** Plug in an optional headset for convenient and hands-free conversations or music playback.
 23. **Volume Keys:** Allows you to adjust the master volume or the earpiece volume during a call.
 24. **Voice Commands Key:** Press to launch Voice Commands from idle mode.

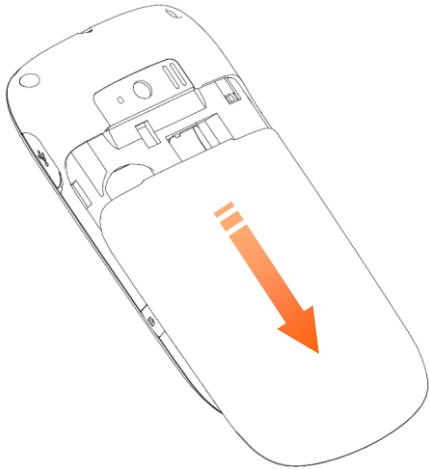
Specifications

Model	F450
Dimensions (L x W x H)	102 x 51 x 14 mm (4.0 x 2.0 x 0.55 in.)
Weight	approximately 100 g (3.53 oz) including battery
Continuous Standby Time	CDMA: 220 hours, GSM: hours (subject to the network)
Continuous Talk Time	CDMA: 240 minutes, GSM: minutes (subject to the network)

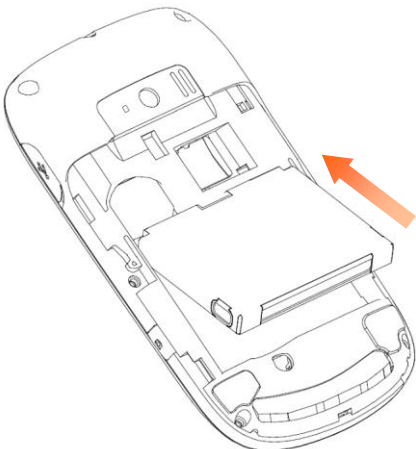
Getting Started

Installing the Battery

1. Remove the back cover.



2. Insert the battery by aligning the gold contacts on the battery with the gold contacts in the battery compartment.

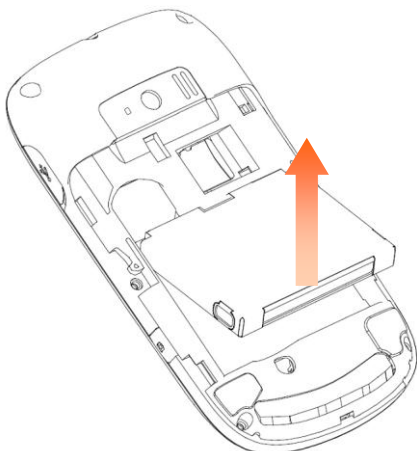


3. Push the battery down so it clicks into place.
4. Replace the back cover.

Removing the Battery

Turn off your phone before removing the battery.

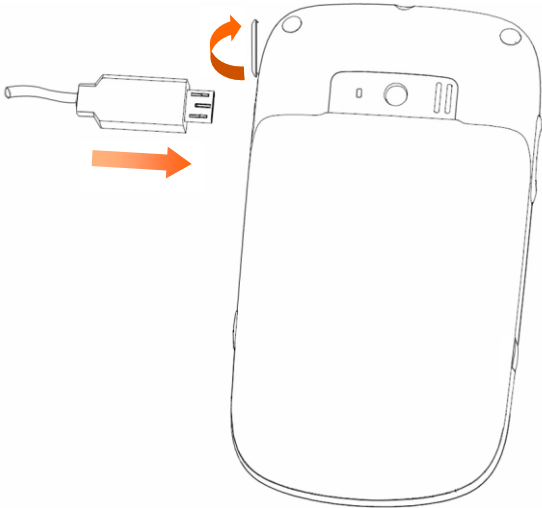
1. Remove the back cover.
2. Pull the battery up and out.



Charging the Battery

Please charge the battery according to the following procedure.

1. Connect the USB data cable into the cableless wall adapter.
2. Open the USB Charger Port cover and plug the USB data cable, making sure it's inserted the right way round. Don't try and force it in.



3. Plug the wall adapter end into an electrical outlet.

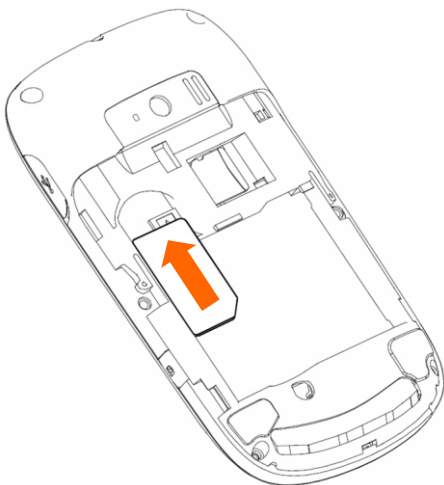
Note: When not using the battery for a long time, remove it from the phone and store in a cool dry place.

Inserting and Removing the SIM Card

Your wireless device comes with a SIM card installed which along with a Global Feature on your account, enables you to make calls and access email in GSM Networks while traveling overseas.

Make sure the phone is turned off and the charger is disconnected.

1. Remove the back cover.
2. If the battery is already inside, take it out.
3. Hold your SIM card with the cut corner as shown below. Then slide it into the slot.



4. Replace the battery.
5. Replace the back cover.

To remove the SIM card, slide it out of the slot.




CAUTION:

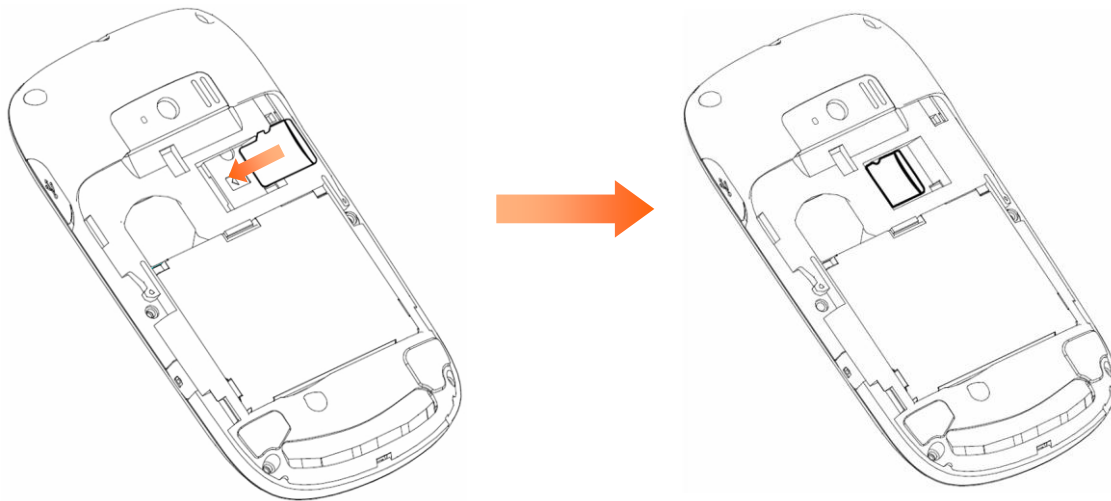
Do not bend, scratch, or unnecessarily touch the SIM card's metal surface. It may damage the information stored in it.

Inserting and Removing the microSD Card

Your phone supports microSD cards up to 8GB. You can store music, pictures, and other files on the microSD card.

microSD logo  is a trademark of the SD Card Association.

1. Remove the back cover.
2. Insert the microSD card carefully with the metal contacts facing downwards, until it is pushed into the right position. As you can see, only part of the microSD card needs to be inserted into the slot.



To remove the card, simply slide it out of the slot.

Powering On/Off Your Phone

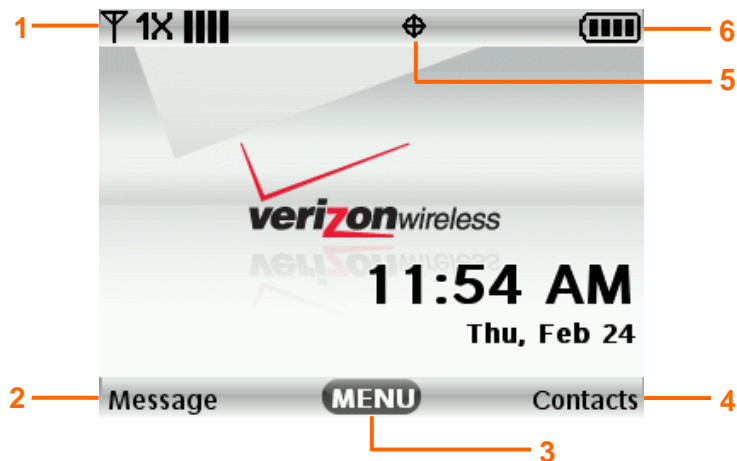
- To power on the phone, press and hold the **End/Power Key** until the LCD screen lights up.
Note: If the phone lock code has been activated, you need to enter the code to unlock the phone. The default lock code is the last 4 digits of your phone number.
- To power off the phone, press and hold the **End Key** until the display turns off.

Activating Your Phone

Please contact your service provider for more information.

Idle Mode

The start screen indicates that your device is in Idle Mode. Take the following start screen in CDMA mode for example.







1. **Signal strength:** The strength of the signal received by the device is indicated by the number of bars displayed.
2. **Message:** Press the **Left Soft Key** to select this option.
3. **MENU:** Press the **OK Key** to select this option.
4. **Contacts:** Press the **Right Soft Key** to select this option.
5. **Location:** Location information sharing mode.
6. **Battery strength:** Four bars indicate a fully charged battery.

Note: The start screen may vary if you change the default display settings.










Main Display Icons

Top Display Icons





































- D** **Digital Signal Strength:** Digital service is available. More bars indicate a stronger signal.
- 1X Signal Strength:** CDMA 1X service is available. More bars indicate a stronger signal.
- G** **GSM Signal Strength:** GSM service is available. More bars indicate a stronger signal.
- GPRS Signal Strength:** GPRS service is available. More bars indicate a stronger signal.
- OFF Airplane Mode:** Airplane Mode is on.
 - Roaming:** The phone is outside the home service area and roaming.
 - SSL:** Data communication is encrypted by the Secure Socket Layer (SSL) encryption.
 - Voice Privacy:** The Voice Privacy feature is active.
 - Data Call:** Data call is in progress.
 - Dormant:** Data call is in the dormant state. No data is being transmitted or received.
 - No Service:** Your phone is outside the service area.
 - TTY:** TTY mode is active.
 - Voice Call:** A voice call is in progress.
 - E911:** Global Positioning Service (GPS) location feature for 911 is enabled (for emergency calls only).
 - Location On:** Global Positioning Service (GPS) location feature is enabled (for location and emergency calls).
 - Keypad Lock:** The keypad is locked.

-  **Bluetooth On:** Bluetooth is turned on.
-  **Bluetooth Connected:** Your phone is paired with another Bluetooth device.
-  **Bluetooth Active:** Your phone is exchanging data with another Bluetooth device.
-  **Battery Level:** Indicates the battery level. More bars indicate stronger battery power.

Bottom Display Icons

-  **All Sounds Off:** All sounds are silenced including incoming call ringtone, message alert, alarm sound and other alert sounds.
-  **Alarm Only:** Your phone only rings for the alarm sounds.
-  **Vibrate On:** Your phone vibrates for calls and alerts.
-  **Speakerphone:** The speakerphone mode is active.
-  **Missed Calls:** You have missed calls.
-  **Message:** You have a new message.
-  **Calendar Appointment:** You have an active calendar event.
-  **Voicemail:** You have new voicemail messages.
-  **Alarm On:** An alarm is set.

Other Icons

- | | | | |
|---|---------------------|---|-------------------------------|
|  | Dialled Call |  | Incomplete Delivery |
|  | Received Call |  | Sent Message, Delivery Failed |
|  | Missed Call |  | Message Locked |
|  | Mobile 1 |  | Text Message Draft |
|  | Mobile 2 |  | Multimedia Message Draft |
|  | Home |  | Priority |
|  | Business |  | Corrupt Message |
|  | Personal Email |  | Pending Message Send |
|  | Business Email |  | Unread MMS |
|  | Groups |  | Read MMS |
|  | Picture |  | Sent Message |
|  | Ringtone |  | Unread WAP PUSH |
|  | Fax |  | Read WAP PUSH |
|  | Speed Dial |  | Multiple Message Delivered |
|  | Voice Dial |  | Multiple Message Failed |
|  | New/Unread Message |  | Multiple Message Incomplete |
|  | Opened/Read Message |  | Multiple Message Pending |
|  | Message Delivered |  | Multiple Message Sent |

Menu Outline



Contacts

1. New Contact
2. Contact List
3. Backup Assistant
4. Groups
5. Speed Dials
6. In Case of Emergency

7. My Name Card



Messaging

1. New Message
 1. TXT Message
 2. Picture Message
 3. Voice Message
2. Inbox
3. Sent
4. Drafts
5. Voicemail
6. Mobile IM
7. Social Beat
8. Mobile Email



Recent Calls

1. Missed
2. Received
3. Dialed
4. All
5. View Timers



Search



Media Center

1. Search
2. Music & Tones
 1. My Ringtones
 2. My Music
 1. All Songs
 2. Playlists
 3. Artists
 4. Genres
 5. Albums
 6. Manage My Music
 1. Erase
 2. Lock
 3. Unlock
 4. Move To Memory Card
 5. Move To Phone
 7. Music Settings
 1. Repeat
 2. Shuffle
 3. Music Only Mode
 3. My Sounds
 1. Record New
 3. Pictures

1. My Pictures
2. Take Picture
3. Online Album
4. Mobile Web



Mobile Email



Apps



VZ Navigator



Settings & Tools

1. My Verizon
2. Master Volume
3. Tools
 1. Voice Commands
 2. Calculator
 3. Ez Tip Calculator
 4. Calendar
 5. Alarm Clock
 6. Stop Watch
 7. World Clock
 8. Notepad
 9. USB Mass Storage
4. Bluetooth Menu
 1. Add New Device
5. Sounds Settings
 1. Easy Set-up
 2. Call Sounds
 1. Call Ringtone
 2. Call Vibrate
 3. Caller ID Readout
 3. Alert Sounds
 1. TXT Message
 1. Tone
 2. Vibrate
 3. Reminder
 2. Multimedia Message
 1. Tone
 2. Vibrate
 3. Reminder
 3. Voicemail
 1. Tone
 2. Vibrate
 3. Reminder
 4. Emergency Tone
 5. Missed Call

-
- 1. Tone
 - 2. Vibrate
 - 3. Reminder
 - 4. Keypad Volume
 - 5. Digit Dial Readout
 - 6. Service Alerts
 - 1. ERI
 - 2. Minute Beep
 - 3. Call Connect
 - 4. Software Update
 - 7. Power On/Off
 - 1. Power On
 - 2. Power Off
 - 6. Display Settings
 - 1. Easy Set-up
 - 2. Banner
 - 1. Personal Banner
 - 2. ERI Banner
 - 3. Backlight
 - 1. Display
 - 2. Keypad
 - 4. Wallpaper
 - 1. My Pictures
 - 2. Fun Animations
 - 5. Display Themes
 - 6. Main Menu Settings
 - 1. Menu Layout
 - 2. Replace Menu Items
 - 3. Position Menu Items
 - 4. Reset Menu Settings
 - 1. Menu Layout
 - 2. Menu Items
 - 3. Item Positions
 - 4. All
 - 7. Dial Fonts
 - 8. Menu Font Type
 - 9. Menu Font Size
 - 0. Clock Format
 - 7. Phone Settings
 - 1. Airplane Mode
 - 2. Set Shortcuts
 - 1. Set My Shortcuts
 - 1. Shortcut 1
 - 2. Shortcut 2
 - 3. Shortcut 3
 - 4. Shortcut 4
 - 2. Set Directional Keys
 - 1. UP Directional Key
 - 2. LEFT Directional Key
 - 3. DOWN Directional Key
 - 3. Voice Commands Settings
 - 1. Confirmation
 - 2. Sensitivity
 - 3. Adaptation
 - 1. Adapt Voice
 - 4. Prompts
 - 1. Mode
 - 2. Audio playback
 - 3. Timeout
 - 5. About
 - 4. Language
 - 5. Location
 - 6. Current Country
 - 7. Phone Security
 - 1. Edit Codes
 - 1. Phone Only
 - 2. Calls & Services
 - 2. Restrictions
 - 1. Location Setting
 - 3. Phone Lock Setting
 - 4. Lock Phone Now
 - 5. Restore Phone
 - 8. SIM Security
 - 1. PIN Code
 - 1. PIN Lock
 - 2. Edit PIN Code
 - 2. SIM Lock
 - 9. Network Mode
 - 0. System Select
 - 1. CDMA Settings
 - 2. GSM Settings
 - *. NAM Select
 - #. Auto Key Lock
 - Time & Date
 - 1. Time Setting
 - 2. Date Setting
 - 8. Call Settings
 - 1. Answer Options
 - 2. Auto Retry
 - 3. TTY Mode
 - 4. One Touch Dial
 - 5. Voice Privacy
 - 6. DTMF Tones
 - 7. Assisted Dialing
-

-
- | | |
|----------------------|----------------------|
| 8. Hearing Aid Mode | 4. My Sounds |
| 9. Data Manager | 5. My Contacts |
| 0. Memory | 6. Move All To Phone |
| 1. Save Options | 7. Format |
| 1. Pictures | 4. Card Lock |
| 2. Sounds | *. Phone Info |
| 2. Phone Memory | 1. My Number |
| 1. Memory Usage | 1. CDMA Number |
| 2. My Pictures | 2. GSM Number |
| 3. My Ringtones | 2. SW/HW Version |
| 4. My Music | 3. Icon Glossary |
| 5. My Sounds | 4. Software Update |
| 6. My Contacts | 1. Status |
| 7. Move All To Card | 2. Check New |
| 3. Card Memory | 5. SIM ID |
| 1. Card Memory Usage | 6. Operating System |
| 2. My Pictures | #. Set-up Wizard |
| 3. My Music | |

Note: The phone menu may change according to the current network mode, or whether the microSD card or SIM card is inserted.

Basic Operation

Menu Navigation

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

1. To access the menu, press the **OK Key [MENU]**.
2. To scroll through the menu, press the **Directional Key** up, down, left or right, or press the number that corresponds to the desired menu item.
3. To return to the previous page, press the **CLR Key**. To exit the current menu and return to idle mode, press the **End Key**.
4. To access the Messaging menu, press the **Left Soft Key [Message]**. To access the Contact List, press the **Right Soft Key [Contacts]**.

Note: This manual assumes that the menu layout is set to **Grid** and the display theme is set to **VZW White**, which are the default settings.

Locking/Unlocking Your Phone

To keep your phone from unauthorized use, you can lock the phone. The use of your phone is restricted once the phone is locked. You can still make emergency calls when the phone is locked.

Locking Your Phone

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > Phone Security**.
2. Enter the phone lock code and press the **OK Key**. The default lock code is the last 4 digits of your phone number.
3. Select **Lock Phone Now** and press the **OK Key**.

Tip: You can choose to make the phone locked automatically when you power it on. For detailed information, see "Phone Lock Setting" on page xx.

Unlocking Your Phone

1. Press the **Right Soft Key [Unlock]** from idle mode.
2. Enter the phone lock code and press the **OK Key**.

Locking/Unlocking the Keypad

- To lock the keypad, press and hold the **Lock Key** from idle mode.
- To unlock the keypad, press the **Right Soft Key** and then press the **OK Key**.

Tip: You can choose to make the keypad locked automatically when the backlight goes off. Just press the **OK Key [MENU] > Settings & Tools > Phone Settings > Auto Key lock**, and select **On**.

Choosing the Network Mode

Your phone can work in both CDMA and GSM networks. You can use your phone in Global Mode while travelling abroad. You must insert a SIM card into your phone to enable GSM Mode and Global Mode. The SIM card is pre-installed in your phone. For more information, please contact your service provider.

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > Network Mode**.
2. Select **CDMA Mode**, **GSM Mode** or **Global Mode**, and press the **OK Key [SET]**.

Set-up Wizard

Set-up Wizard will guide you to set the most commonly used setting options. You can set your phone quickly and easily.

1. Press the **OK Key [MENU] > Settings & Tools > Set-up Wizard**.
2. Follow the prompts on the screen, and press the **OK Key [SET]** to set each option or press the **Right Soft Key [Skip]** to skip setting the option.

Note: Press the **CLR Key** to go to the previous options and change the settings. Press the **Left Soft Key [Preview]** or **[Play]** to view or play the option before setting it.

Easy Set-up

Easy Set-up will guide you to set the common sound or display setting options.











1. Press the **OK Key [MENU] > Settings & Tools > Sound Settings/Display Settings > Easy Set-up**.
2. Follow the prompts on the screen, and press the **OK Key [SET]** to set each sound or display option or press the **Right Soft Key [Skip]** to skip setting the option.

Note: Press the **CLR Key** to go to the previous options and change the settings. Press the **Left Soft Key [Preview]** or **[Play]** to view or play the option before setting it.

Entering Text



Your phone has a QWERTY keypad – a compact version of standard computer keyboard. Here's how it works...

- For lowercase letters, simply press the keys as normal.
- To enter a single uppercase letter, press  and then press the corresponding key.
- To enter all uppercase, press  twice and then type. To change back to lowercase, press  again.
- To type a number or symbol (found at the upper left or right of the key), press  and then press the corresponding keys. Press  twice to enter all numbers or symbols. And then the same again to go to normal type.
- Press the **Left Soft Key** to change the input mode: T9 Word, alphabetic, or symbols.
- To open the symbols, press . You can use the **Directional Key** and the **OK Key** to enter a symbol or emoticon.
- To move the cursor, use the **Directional Key**.
- To delete the character before the cursor, press the **CLR Key** or . Hold the **CLR Key** or  to delete all characters before the cursor.
- To start a new line, press .
- To enter a space, press .

Tip:

For certain languages, pressing a specific letter key may result in multiple accented character options (like á, ü, é, etc). Use the **Directional Key** and the **OK Key** to enter the character you want.

Calling

Making a Call

Using the Keypad

1. Enter a phone number including full area code in idle mode. If an incorrect character is entered, use the **CLR Key** to delete the digit. Press and hold the **CLR Key** to erase all digits.
2. Press the **Send Key** to make the voice call.
3. Press the **End Key** to end the call, or to cancel the call attempt.

Note: To make an emergency call, enter the emergency number and press the **Send Key**. If possible, remain stationary and keep the line connected.

Using the Contacts

You can also make a call by choosing a record from your **Contacts**. To place a call from the contact list:

1. Press the **OK Key [MENU] > Contacts > Contact List** to view your contact list.

Tip: Press the **Right Soft Key [Contacts]**. The list of names in your contacts is displayed alphabetically.

2. Scroll to the desired entry and press the **Send Key** to make a call.

Note: Selecting the Contact entry and then pressing the **Send Key** will dial the Default Number of the Contact entry automatically. If multiple numbers are saved in the Contact List, select the Contact entry, then select the phone number you want to dial. Then press the **Send Key**.

Using the Last Number Dialed

Your phone can redial the last number dialed. To dial the last number:

1. Press the **Send Key** in idle mode.
2. Press the **Send Key** again to dial the first entry.

Using the Call History

Generally, all calls you have made or received are saved in a list on the phone.

You may use the **Send Key** as a shortcut key to the All Calls list from the idle screen.

All numbers are grouped into Missed Calls, Received Calls, and Dialed Calls. To dial a number from your call history:

1. Press the **OK Key [MENU] > Recent Calls**.
2. Navigate through the menu and press the **OK Key** to select Missed, Received or Dialed calls.
3. Select the phone number you want to dial from the list and press the **Send Key** to place the call.

Making an International Call

1. Press and hold the *** Key** in idle mode. The + required for international calls will be displayed.
2. Enter the country code, area code, and phone number then press the **Send Key**.
3. To end the call, press the **End Key**.

Caller ID Function

Caller ID displays the number of the person calling when your phone rings. If the caller's identity is stored in Contacts, the name appears on the screen. The caller ID is stored in the Recent Calls Menu.

In-Call Options

Volume

1. Press the **Volume Keys** on the side of your phone up or down to adjust the volume.
2. Press the **OK Key [SET]** to confirm the setting.

Mute

You can mute your voice during a call by pressing the **Left Soft Key [Mute]**. Press the **Left Soft Key [Unmute]** to allow the caller to hear your voice again.

Speakerphone

Your phone has a speakerphone function that allows you to talk hands-free with the phone's speaker.

During a call, press the **Speakerphone Key** to activate or deactivate speakerphone.

Call History

Press the **OK Key [MENU] > Recent Calls** to check missed, received, dialed and all call history.

Press the **OK Key [MENU] > Recent Calls > View Timers** to check detailed call time and data information.

Contacts

New Contact

1. Enter the phone number you want to save in idle mode.
2. Press the **Left Soft Key [Save]**.
3. Select **Add New Contact** and press the **OK Key**.
4. Select **Mobile 1, Mobile 2, Home, Business** or **Fax** and press the **OK Key**.
5. Enter the remaining contact information and press the **OK Key [SAVE]**.

Note: You can also create a contact by pressing the **OK Key [MENU] > Contacts > New Contact**.

Contact List

Contact List allows you to view the list of all contacts stored on your phone.

1. Press the **OK Key [MENU] > Contacts > Contact List**.
2. Press the **Directional Key** to scroll up or down the list, and press the **OK Key [VIEW]** to view the desired contact information.
3. Press the **Left Soft Key [Edit]** to edit the highlighted contact.
4. Press the **Right Soft Key [Options]** to display the following pop-up menu:
 - **New Contact:** Add a new contact.
 - **Erase:** Erase the contact.
 - **New TXT Message:** Send a text message to the contact.
 - **New Picture Message:** Send a picture message to the contact.
 - **New Voice Message:** Send a voice message to the contact.
 - **Send IM:** Set IM message to the contact.
 - **Call:** Make a call to the contact (Default number).
 - **Move & Copy:** Move or copy the contact between the phone and SIM card.
 - **Manage Contacts:** You can mark the desired contacts in the list to erase, lock or unlock. The locked contacts cannot be erased. You can also copy the contacts to the microSD card.
 - **Filter Contacts:** Choose to view all contacts or the contacts in the phone or SIM card.
 - **Send via Bluetooth:** Send your name card via Bluetooth to another Bluetooth compatible device.

Backup Assistant

Backup Assistant safeguards your mobile phone's address book and automatically saves a copy of the names, phone numbers, and email addresses stored in your phone. You can also view, print, add, delete, and edit your contacts online.

If you lose, damage, or upgrade your phone, Backup Assistant will restore your contact list to a new or replacement phone.

1. Press the **OK Key [MENU] > Contacts > Backup Assistant**.
2. Follow the on-screen directions to continue.

Groups

This menu allows you to add contacts to the groups. You can add, rename, delete the groups or send a message to each contact in the selected group.

1. Press the **Right Soft Key [Contacts]**, and then select the contact you want to add to a group.
2. Press the **Left Soft Key [Edit]**.
3. Scroll to the **Group** field and press the **Left Soft Key [Edit]**.

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4. Select either **Business, Colleagues, Family, Friends, Personal** or **School**, press the **OK Key [MARK]**, then press the **Left Soft Key [Done]**.
 5. To create a new group, press the **Right Soft Key [New]**. Enter the group name and press the **OK Key [SAVE]**.
 6. Enter the remaining contact information then press the **OK Key [SAVE]**.

Speed Dials

Speed Dials allows you to view the current list of speed dials and add new entries.

1. Press the **Right Soft Key [Contacts]**, then select the contact you want to set speed dial to.
2. Press the **Left Soft Key [Edit]**.
3. Select the phone number you want to add to Speed Dial and press the **Right Soft Key [Options]**.
4. Select **Set Speed Dial** and press the **OK Key**, choose a Speed Dial location then press the **OK Key [SET]**.
5. To assign the entry select **Yes** then press the **OK Key**.
6. Press the **OK Key [SAVE]** to save.

In Case of Emergency

This feature allows you to store names, phone numbers and other information, which may be very helpful in case of emergency. It also allows you to add, read, edit, or erase **Personal Info** (in the form of Notes) which may also be useful in cases of emergencies.

Adding an ICE Contact

1. Press the **OK Key [MENU]**, select **Contacts** and press the **OK Key**. Select **In Case of Emergency** and press the **OK Key**.
2. Select **Contact 1, Contact 2** or **Contact 3** and press the **OK Key [ADD]**.
3. When selecting from **ADD CONTACT**, select **From Contacts** and press the **OK Key**.
4. Select the desired contact entry and press the **OK Key**.
5. When adding a new contact, select **New Contact** and press the **OK Key**.
6. Enter the contact information and press the **OK Key [SAVE]**.
7. The contact name will be displayed in place of **Contact 1, Contact 2** or **Contact 3**.

Adding ICE Personal Info

1. Press the **OK Key [MENU]**, select **Contacts** and press the **OK Key**. Select **In Case of Emergency** then press the **OK Key**.
2. Select **Personal Info** and press the **OK Key [VIEW]**.
3. Select **Note 1, Note 2** or **Note 3** and press the **OK Key [ADD]**.
4. Enter the information and press the **OK Key [SAVE]**.
5. The information you entered now appears in place of **Note 1, Note 2** or **Note 3**.

My Name Card

This feature allows you to add your personal contact information including name, phone number, Email, etc. as a name card.

Editing My Name Card

1. Press the **OK Key [MENU]**, select **Contacts** and press the **OK Key**. Select **My Name Card** then press the **OK Key**.
2. Press the **OK Key [EDIT]**.
3. Under **EDIT CONTACT**, adjust the fields as desired and press the **OK Key [SAVE]** to save your changes.

Messaging

Creating and Sending a Text Message

1. Press the **Left Soft Key [Message]** in idle mode, select **New Message** and press the **OK Key**. Select **TXT Message** and press the **OK Key**.

Note: You can also press the **OK Key [MENU] > Messaging > New Message > TXT Message** and press the **OK Key**.

2. In the **To** field, enter the phone number of the recipient and press the **OK Key**.
3. Enter the message and press the **OK Key [SEND]**.

Editing the To field

In the **To** field, press the **Right Soft Key [Add]** to display the pop-up menu:

- **From Contacts:** Add the recipient from the contact list.
- **Recent Calls:** Add the recipient from the recent calls list.
- **Groups:** Add the recipient from the group list.
- **To Contacts:** If a phone number or email address is entered in the field, add it to a new contact, or update an existing contact with it.

Editing the Text field

In the **Text** field, press the **Right Soft Key [Options]** to display the pop-up menu:

- **Insert Quick Text:** Insert already written sentences into the message.
- **Save as Draft:** Save the current message into the **Drafts** folder.
- **Add:** Add **Graphic, Animation, Sound, Signature** or **Name Card** into the message.
- **Format Text:** Change the **Alignment, Font Size, Font Style, Text Color** or **Background Color** of the text.
- **Priority Level:** Set the priority level of the message to **High** or **Normal**.
- **Cancel Message:** Cancel the message editing and go back to the previous menu.

Creating and Sending a Picture Message

1. Press the **Left Soft Key [Message]**, select **New Message** and press the **OK Key**. Select **Picture Message** and press the **OK Key**.

Note: You can also press the **OK Key [MENU] > Messaging > New Message > Picture Message**.

2. In the **To** field, enter the phone number or email address of the recipient and press the **OK Key**.
3. Press the **Directional Key** down and enter the message in the **Text** field.
4. Press the **Directional Key** down to highlight the **Picture** field, press the **Left Soft Key [My Pics]** to select a picture from the **MY PICTURES** folder, and then press the **OK Key** to add a picture.
5. Press the **Directional Key** down to highlight the **Sound** field, press the **Left Soft Key [Sounds]** and select a sound from the **MY SOUNDS** folder or record a new sound, and then press the **OK Key** to add a sound record.
6. Press the **Directional Key** down to highlight the **Name Card** field. Press the **Left Soft Key [Add]** to select a name card **From Contacts** or select **My Name Card**, and then press the **OK Key** to add a name card.
7. Press the **Directional Key** down to highlight the **Subject** field and enter the subject.
8. Press the **OK Key [SEND]** to send the message.

Creating and Sending a Voice Message

1. Press the **Left Soft Key [Message]**, select **New Message** and press the **OK Key**. Select **Voice Message** and press the **OK Key**.

Note: You can also press the **OK Key [MENU] > Messaging > New Message > Voice Message**.

2. To record a new **Voice Message**, press the **OK Key** to start recording. Press the **OK Key [STOP]** to stop recording and insert the recorded voice memo into the message.
3. Enter the phone number or email address of the recipient and press the **OK Key**. Or press the **Right Soft Key [Add]** to access the following options.
 - **From Contacts:** Search for a phone number which is stored in the contacts list.
 - **Recent Calls:** Search for a phone number which is stored in the recent calls list.
 - **Groups:** Search the groups stored in the contacts list.
 - **To Contacts:** If a phone number or email address is entered in the field, add it to a new contact, or update an existing contact with it.
4. Press the **Directional Key** down to access the **Text** field and enter the message.
5. Press the **Directional Key** down to access the **Name Card** field. Press the **Left Soft Key [Add]** and select **My Name Card** or **From Contacts** and press the **OK Key**. Select the card or the contact and press the **OK Key**.
6. Press the **Directional Key** down to access the **Subject** field and enter the subject.
7. Press the **Right Soft Key [Options]** to access the following options.
 - **Review:** Review a written Voice Message.
 - **Save As Draft:** Save the Voice Message.
 - **Insert Quick Text:** Insert already written sentences into the message.
 - **Priority Level:** Set the level of the priority to **High** or **Normal**.
 - **Remove Recording:** Remove inserted recorded voice memo in the **Voice** field.
 - **Remove Name Card:** Remove inserted name card in the **Name Card** field.
 - **Cancel Message:** Cancel the message editing and go back to the previous menu.
8. Press the **OK Key [SEND]**.

Message Folders

1. The **Inbox** folder contains all of your received messages. In this folder, you can view your received messages by receipt time and reply to or forward the messages to another recipient.
2. The **Messages** folder contains all of your sent and received messages. All messages sent to or received from a contact are grouped in the combined Messages folder. You can view the messages by contacts.
3. The **Sent** folder contains messages that were sent successfully. In this folder, you can edit or forward the messages to another recipient.
4. The **Drafts** folder contains unfinished messages. In this folder, you can complete and send your messages.

Voicemail

When the Voicemail function is available, all unanswered calls to your phone can be transferred to your voice mailbox, even if your phone is not being used or is powered off. You should set up your voice mailbox and personal greeting as soon as your phone is activated. For more information, contact your service provider.

Checking your voicemail box

1. To dial your voicemail box directly, enter *86 in idle mode and then press the **Send Key**.

Tip: In idle mode, press and hold 1 to access Voicemail.

2. Follow the prompts to enter your password and listen to your messages.

Mobile IM

Press the **OK Key [MENU]** > **Messaging** > **Mobile IM**.

Social Beat

Press the **OK Key [MENU]** > **Messaging** > **Social Beat**.

Mobile Email

Press the **OK Key [MENU]** > **Messaging** > **Mobile Email**.

Messaging Settings

Press the **Left Soft Key [Message]** in idle mode and then press the **Left Soft Key [Settings]**.

Select one of the settings below and press the **OK Key** to select it.

- **Inbox View**

Set to sort the messages in your inbox by **Time** or **Contact**. Choose the desired setting and press the **OK Key**.

- **Inbox view by Time:** The received and sent messages are separated into Inbox and Sent folders. You can view the message by receipt time.
- **Inbox view by Contact:** All messages sent to or received from a contact are grouped in the Messages folder. You can view your messages by recipient.

- **Entry Mode**

Set the default input mode, choose either T9 Word, Abc or ABC and press the **OK Key**.

- **Auto Save Sent**

Select **On**, **Off** or **Prompt** and press the **OK Key**.

- **On:** All sent messages are saved in the Sent box.
- **Off:** Messages will not be saved in the Sent box.
- **Prompt:** Dialogue box will display after a message is sent.

- **Auto Erase Inbox**

Select **On** or **Off** and press the **OK Key**.

- **On:** The oldest read unlocked message is erased from the Inbox automatically when the Inbox is full and a new message arrives.
- **Off:** The phone will prompt that the memory is full and you need to delete unwanted messages when the Inbox is full and a new message arrives.

- **Messaging Font Size**

Select **Normal** or **Large** and press the **OK Key**.

- **TXT Auto View**

Select **On** or **Off** and press the **OK Key**.

- **On:** When a new TXT message arrives, it is displayed automatically.
- **Off:** When a new TXT message arrives, you should enter the Inbox or respond to the new message notification to view it.

- **Multimedia Auto Receive**

Select **On** or **Off** and press the **OK Key**.

- **On:** Picture/Voice messages download automatically.
- **Off:** Picture/Voice messages must be retrieved from the Inbox or at the new Picture/Voice message prompt.

- **Quick Text**

Create a new quick text or edit the quick text you have saved.

- **Voicemail #**

Enter a new voicemail number or edit the voicemail number and press the **OK Key** (the default number is *86).

- **Callback #**

Edit the default callback number so that the recipient can call back or reply.

- **Signature**

Create a signature that can be inserted at the end of a TXT, Picture or Voice Message.

- **Delivery Receipt**

Turn on or off the delivery receipt for sent messages.

Media Center

Bing Search

The Search function allows you to get free maps and local business listings right on your phone when you need them. Quickly find nearby services. Local restaurants, movie theaters, businesses and directions to get there are at your fingertips with Bing™ for mobile.

1. Press the **OK Key [MENU]**, select **Media Center** and press the **OK Key**. Select **Search** and press the **OK Key** to access the Search function.
2. Enter your search information in the Enter Keywords text box and press the **OK Key**.

My Music

Playing Music

1. Press the **OK Key [MENU] > Media Center > Music & Tones > My Music**.
2. Select **All Songs, Playlists, Artists, Genres** or **Albums** and choose a song to play.
3. In the music player, you can:
 - Press the **OK Key** to pause or continue the playing.
 - Press the **Directional Key** left or right to skip to the previous or next audio file.
 - Press and hold the **Directional Key** left or right to rewind or fast forward.
 - Press the **Directional Key** up or down to open the playlist.
 - Press the **Volume Keys** to adjust the volume.
 - Press the **Left Soft Key** to mute/unmute the playing.

Managing My Music

1. Press the **OK Key [MENU] > Media Center > Music & Tones > My Music**.
2. Select **Manage My Music** and press the **OK Key**.
3. You can choose to erase, lock/unlock the music files, or move the music files between the phone and microSD card.

My Ringtones

1. Press the **OK Key [MENU] > Media Center > Music & Tones > My Ringtones**.
2. Highlight a ringtone and press the **OK Key [PLAY]** to listen.
3. For preloaded ringtones, press the **Right Soft Key [Info]** to view the detailed information of ringtone.
For downloaded ringtones, press the **Right Soft Key [Options]** to display more options.

My Sounds

To record a new sound

1. Press the **OK Key [MENU] > Media Center > Music & Tones > My Sounds**.
2. Press the **OK Key [Record New]**.
3. Press the **OK Key** to start recording and press the **OK Key [STOP]** to stop recording.

To play the sound files

1. Press the **OK Key [MENU] > Media Center > Music & Tones > My Sounds**.
2. Highlight a sound file and press the **OK Key [PLAY]** to play it.

Taking a Picture

1. Press the **OK Key [MENU] > Media Center > Pictures > Take Picture**.
2. Press the **Directional Key** up or down to adjust the brightness. Press the **Directional Key** left or right to zoom in and out (except for the 1600X1200 resolution mode).
3. Press the **Right Soft Key [Options]** to set the camera options.
4. Press the **OK Key [TAKE]** or the **Camera Key** to take a picture.
5. Press the **Left Soft Key [Save]** to save the picture in the **My Pictures** folder.
6. Press the **Right Soft Key [Erase]** to delete it.
7. Press the **OK Key [SEND]** to send it via picture message.

Viewing the Pictures

1. Press the **OK Key [MENU] > Media Center > Pictures > My Pictures**.
2. Highlight a picture, press the **OK Key [VIEW]** to view it.
3. Highlight a picture, press the **Left Soft Key [Erase]**, select **Yes** and press the **OK Key** to delete the picture.
4. Press the **Right Soft Key [Options]** to display the pop-up menu:
 - **Send:** Send the picture via **Picture Message, To Online Album, or Via Bluetooth**.
 - **Set As:** Set the picture as **Wallpaper** or a **Picture ID**.
 - **Take picture:** Turns on the camera function allowing the user to take a new picture.
 - **Manage Pictures:** Erase, lock or unlock the pictures
 - **Rename:** Rename the picture.
 - **File Info:** View detailed information about the picture.

Note: You cannot erase or rename the preloaded pictures stored in **My Pictures**.

Online Album

Press the **OK Key [MENU] > Media Center > Pictures > Online Album**. The browser launches and the **Online Album** sign-on screen appears. Follow the on-screen prompts to continue.

Mobile Web

Press the **OK Key [MENU] > Media Center > Mobile Web** to launch the web browser.

Apps

1. Press the **OK Key [MENU] > Apps**.
 2. Choose a catalog and select **Get It Now** to download your desired contents.
- For detailed information, please refer to the help in **Apps** menu.

VZ Navigator

The VZ Navigator allows you to get directions to locations when you're out and about. Using audible turn-by-turn directions, you can locate nearly fourteen million points of interest in the U.S.A. such as landmarks, restaurants and ATMs. VZ Navigator uses GPS positioning to tell you where you are, what's near you and to give you directions to places, quickly and easily.

1. Press the **OK Key [MENU] > VZ Navigator**.
2. Follow the on-screen prompts to continue.

Note: To use VZ Navigator, you should turn location on by pressing the **OK Key [MENU] > Settings & Tools > Phone Settings > Location > Location On** and press the **OK Key [SET]**.

Bluetooth®

Your phone is capable of connecting to a variety of Bluetooth wireless accessories. It allows you to transfer data between Bluetooth devices, talk with a Bluetooth wireless earphone, etc. You may create and store 25 pairings within the phone and connect to one device at a time. The approximate range for Bluetooth wireless technology is up to 30 feet (10 meters).

The Bluetooth menu allows you to search for Bluetooth wireless devices, and manage devices that have already been paired with your phone.

Turning Bluetooth On/Off

1. Press the **OK Key [MENU] > Settings & Tools > Bluetooth Menu**.
2. Press the **Left Soft Key [Turn On]** to turn Bluetooth on. Press the **Left Soft Key [Turn Off]** to turn it off.

Adding New Device

1. Press the **OK Key [MENU] > Settings & Tools > Bluetooth Menu > Add New Device** to find a new compatible device.
2. If Bluetooth is off, you will be prompted to enable Bluetooth. Select **Yes** and press the **OK Key** to enable Bluetooth.
3. The phone will prompt you to place the device you are connecting to in discoverable mode. Press the **OK Key** to continue.
4. The phone will start to search for the device and the found Bluetooth devices will be displayed in a list. Highlight the Bluetooth device to be paired to and press the **OK Key [PAIR]**.
5. The phone will prompt you for the passkey (if matching codes are not found). Consult the Bluetooth® accessory instructions for the appropriate passkey (typically "0000" - 4 zeroes). Enter the passkey and press the **OK Key [SET]**.
6. Highlight **Always Ask** or **Always Connect** and press the **OK Key** to set **Incoming Security** option for the device.
7. Once paired, you will see the device in the Bluetooth menu.

Note: It is recommended that the pairing process be performed at a secure location. When pairing with devices that do not have a predefined passkey, you can input 1 to 16 characters for the passkey. It is recommended that at least 8 characters be used for the passkey.

Tools

Voice Commands

Voice Commands is advanced voice recognition software that can be used to activate a wide variety of functions on your phone.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Voice Commands** to access the function.
2. The phone displays the **Voice Commands** menu and prompts you to say the following name of the command you want to use. To complete your task, simply follow the voice prompts.

- **Call <Name or #>**

To make a call, say "Call" and the command system will prompt you for the name or phone number. You can state the name and number type of the contact (for example, "Call John Work") to access the contact's phone number directly.

When using the Call command, speak clearly and say the name exactly as it is entered in our contact list.

- **Send <MSG Type >**

To create a message, say "Send" and the command system will prompt you for the type of

message. After choosing the message type, you will be prompted for the contact name, number or group. You can say a full-sentence command, which states the message type and the name or number of the contact (for example, "Send Text Message to Bob Smith"), and the voice command system will automatically start a text message. If the name has more than one number, the system will prompt you for the number type.

When using the Send command, speak clearly and say the name, number, or group exactly as it is entered in your contact list.

- **Go To <Menu>**

To access a menu within the phone, say "Go to" command. For example, "Go to Calendar". If no menu option is stated, a list of options will be provided.

- **Check <Item>**

Say "Check" and the command system allows you to check out device information including Status, Voicemail, Messages, Missed Calls, Time, Signal Strength, Battery, Volume, Balance, Minutes, Payment and My Number.

- **Contact <Name>**

Say "Contact" and the command system will allow you to look up a contact. For example, stating "Contact Bob Smith" will display all the detailed information of that contact. You will also be prompted to call, modify or erase the contact.

When using the Contact command, speak clearly and say the name exactly as it is entered in your contact list.

- **Search**

The "Search" command starts an application that allows you to search for information over the internet. Enter your search text and press the **OK Key**.

- **Redial**

To make a call to the last number that you called, say "Redial".

- **Play <Playlist>**

The Play command allows you to play all your songs by stating "Play all songs".

- **My Verizon**

The "My Verizon" command allows you to check out the detailed information about your Verizon Wireless account.

- **Help**

The "Help" command allows you to view a general guideline about using Voice Commands.

Note: Each function has its detailed information on the phone and you can press the **Left Soft key [Info]** to view it.

If you are frequently prompted to repeat a command, press the **Right Soft Key [Settings] > Adaptation**, and adapt the system to your voice.

Setting the Voice Commands

1. Press and hold the **CLR Key** to access Voice Commands.
2. Press the **Right Soft Key [Settings]** to display the following options.

- **Confirmation**

This option allows you to choose if the Command System prompts you with a list of potential matches. Select one of the following options and press the **OK Key**:

- **Automatic:** The voice commands system will display a list only when there are alternative matches.
- **Always Confirm:** The voice commands system will always present you with a best match list of names or numbers. When multiple matches are found, the system will prompt you to choose from a list of matches.
- **Never Confirm:** The voice commands system will select the best match.

- **Sensitivity**

This option controls how the system filters for matches. Select one of the following

options and press the **OK Key**:

- **More Sensitive:** The voice commands system will increase the sensitivity and displays more potential matches.
- **Recommended:** The voice commands system will control the sensitivity automatically.
- **Less Sensitive:** The voice commands system will decrease the sensitivity to filter out more potential matches. If you are frequently asked to try again, select **More Sensitive**.

- **Adaptation**

Adaptation is the process of optimizing the voice recognition software to your voice. Adaptation requires recording your voice, which is then used to customize the voice recognition system.

1. Select **Adapt Voice** or **Reset Voice** and press the **OK Key**.

Adapt Voice: Requires that you make recordings of your voice to customize the voice recognitions system. It will take a few minutes.

Reset Voice: Once you finish the adaptation process, you can reset the adaptation to the factory default settings. The **Reset Voice** menu option only appears after you finish the **Adapt Voice** process.

2. Press the **OK Key** to begin.
3. Wait for the beep and then repeat the sentences using a normal tone of voice.
4. When you are finished with a full session, you will reach a screen that reads **Adaptation Complete**.

Note: Adaptation will take a few minutes, and you should be in a quiet environment.

- **Prompts**

Select **Mode** or **Audio playback** and press the **OK Key**.

- **Mode:** Select the Voice Commands system mode from the following:
 - ◆ **Prompts:** Read out Voice Commands prompts.
 - ◆ **Read Out + Alerts:** Read out and Alert tone prompts, dialing digits and menus at the same time.
 - ◆ **Read Out:** Read out prompts, dialing digits and menus.
 - ◆ **Tones Only:** Prompts you with a tone only.
- **Audio playback:** Allows audio playback to play through the speakerphone or through the earpiece. Select **Speakerphone** or **Earpiece** and press the **OK Key**.
- **Timeout:** Allows you to control how long the system listens for a command before timing out.

- **About**

Check the information about Voice Commands system.

Calculator

Your mobile phone has a built-in calculator capable of performing simple mathematical calculations.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Calculator**.
2. Enter a number with the keypad.
3. If necessary, press the **Right Soft Key [Operators]** to insert (,), or **Exponent**.
4. Press the **Directional Key** to select a mathematical function (add, subtract, multiply or divide).
5. Enter the next number with the keypad.
6. Press the **OK Key** to view the result. Press the **Left Soft Key [Clear]** to clear the inputs or result.

Note: Press the *** Key** to insert a decimal. Press the **# Key** to change the sign of a number to negative.

Ez Tip Calculator

Ez tip calculator allows you to calculate the tip amount based on the tip rate and bill quickly and easily.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Ez Tip Calculator**.
2. From the **Total bill** field, enter the amount of the total bill.
3. Select the **Tip(%)** field and press the **Directional Key** left or right to adjust the tip percentage.
4. Select the **Split** field and press the **Directional Key** left or right to adjust the amount of people paying.
5. In the area below, the calculator will automatically display the Tip, and the share of the bill for each person.
6. Press the **Left Soft Key [Reset]** to reset.
7. Press the **Right Soft Key [Close]** to return to the previous screen.

Calendar

Calendar allows you to conveniently access and modify your agenda.

To add a new calendar event

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Calendar**.
Shortcut: From idle mode, press the **Directional Key** down to access the Calendar.
2. Press the **Directional Key** up, down, left or right to highlight the date of the event.
3. Press the **Left Soft Key [Add]** to add a new event.
4. Enter the subject, scroll down and press the **Left Soft Key [Set]** to set other event settings including Start & End Time, Start Date & End Date, Recurrence, Alert Time, Reminder, Alert Tone and Vibrate.
5. Press the **OK Key [SAVE]** to save the new event.

Alarm Clock

The Alarm clock allows you to set up to three separate alarms.

To add a new alarm

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Alarm Clock**.
2. Select an Alarm entry and press the **OK Key** to add a new alarm.
3. From the **Turn On/Off** field press the **Left Soft Key [Set]** to turn the alarm **On** or **Off**. Scroll down to adjust the remaining settings, including **Set Time**, **Repeat** and **Ringtone**.
4. Press the **OK Key [SAVE]** to save the alarm.

Stop Watch

This feature allows you to use a stopwatch.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Stop Watch**.
2. Press the **OK Key [START]** to start the stopwatch.
3. Press the **Left Soft Key [Lap]** to save lap times. Up to 20 lap times can be saved.
4. Press the **OK Key [STOP]** to stop the stopwatch.
5. After you've stopped the stopwatch, press the **Right Soft Key [Reset]** to clear the records.

World Clock

World clock displays the time in different time zones around the world, together with one or more cities, states, regions or countries in each time zone.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > World Clock**.
2. Press the **Right Soft Key [Cities]** to open the Choose City menu, you may select from a list of available cities.

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3. Choose a city from the list, or search for the desired city in **Go To** field, and press the **OK Key** to select.
 4. The city will be set as the default city and time zone.
 5. Press the **Directional Key** left or right to display different cities and time zones. Press the **Left Soft Key [DST]** to enable or disable daylight savings time. Select **Yes** or **No** and press the **OK Key**.

Notepad

This feature allows you to create, store and edit notes.

1. Press the **OK Key [MENU] > Settings & Tools > Tools > Notepad**.
2. Press the **Left Soft Key [Add]** to add a new note.
3. Enter the note by using the keypad.
4. When the note is finished, press the **OK Key [SAVE]** to save it.

USB Mass Storage

1. Insert the microSD card into your phone and then connect your phone to the PC with a USB data cable.
2. Press the **OK Key [MENU] > Settings & Tools > Tools > USB Mass Storage**.
3. The phone will be in USB mode and you can transfer data between the microSD card and PC.
4. To exit the USB Mass Storage mode, press the **OK Key [EXIT]**.

Settings

My Verizon

The My Verizon menu allows you to connect to the Verizon Wireless Mobile Web. You can check your subscription information ranging from your payment plan to your software upgrade or other available services.

Press the **OK Key [MENU]**, select **Settings & Tools** and press the **OK Key**. Select **My Verizon** and press the **OK Key**.

Master Volume

This feature allows you to set master volume of the phone.

1. Press the **OK Key [MENU] > Settings & Tools > Master Volume**.
2. Adjust the volume by pressing the **Directional Key** either up or down.
3. Press the **OK Key [SET]** to save the setting. To check the ringtone's volume, press the **Left Soft Key [Play]**.

Note: You can also press the **Volume Keys** to adjust master volume.

Sound Settings

Call Sounds

This option allows you to set how the phone alerts you for the incoming calls.

1. Press the **OK Key [MENU] > Settings & Tools > Sounds Settings > Call Sounds**.
2. You can set the following options:
 - **Call Ringtone**
 - **Call Vibrate**
 - **Caller ID Readout**

Alert Sounds

This option allows you to select the alert type for different notifications.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Sounds Settings** > **Alert Sounds**.
2. Select **TXT Message**, **Multimedia Message**, **Voicemail** and **Missed Call** by pressing the **OK Key**. You can select **Tone**, **Vibrate**, or **Reminder** and press the **OK Key**. Select the desired setting and press the **OK Key [SET]**.
3. For **Emergency Tone**, you can set the following options by pressing the **OK Key [SET]**.
 - **Alert**: The phone will play the emergency tone for emergency dialing except when the master volume setting is set to **Vibrate Only** or **All Sounds Off**.
 - **Vibrate**: The phone will vibrate for emergency dialing instead of playing the emergency tone.
 - **Off**: The phone will disable the emergency tone and vibration.

Note: If Emergency Tone is set to **Alert** and the master volume is set to **Vibrate Only**, the phone will vibrate for emergency dialing. If the master volume is set to **All Sounds Off**, the phone will not sound or vibrate for emergency dialing.

Keypad Volume

This option allows you to set the keypad volume.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Sounds Settings** > **Keypad Volume**.
2. Press the **Directional Key** up or down to adjust the volume and press the **OK Key [SET]** to save the setting.

Digit Dial Readout

If the feature is on, the phone will call out the numbers when you dial each digit.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Sounds Settings** > **Digit Dial Readout**.
2. Select **On** or **Off**, and press the **OK Key [SET]**.

Service Alerts

This option allows you to set the service alerts.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Sounds Settings** > **Service Alerts**.
2. You can turn the alerts for the following options On or Off by pressing the **OK Key [SET]**.
 - **ERI**: The phone will sound an alert when you go into service coverage areas if this option is set On.
 - **Minute Beep**: The phone will alert you with a beep before the end of every minute during a call if this option is set On.
 - **Call Connect**: The phone will alert you when the call is connected if this option is set On.
 - **Software Update**: The phone will alert you when a software update is completed if this option is set On.

Power On/Off

This option allows you to set the sound on or off when the phone is powered on or off.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Sounds Settings** > **Power On/Off**.
2. Select **Power On** or **Power Off** and press the **OK Key**.
3. Select **On** or **Off** and press the **OK Key [SET]**.

Display Settings

Banner

This option allows you to add your own personalized greeting that displays on your phone's

screen in idle mode.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Banner**.
2. Select from the following options and press the **OK Key**.
 - **Personal Banner:** Enter the text and choose the text color for the personal banner displayed in idle mode by pressing the **OK Key [SET]**.
 - **ERI Banner:** Set to display the ERI banner in idle mode or not by selecting **On** or **Off** and pressing the **OK Key [SET]**.

Backlight

This option allows you to set the backlight duration for the display screen and keypad.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Backlight**.
2. Select from the following options and press the **OK Key**.
 - **Display:** Set the backlight duration for the main screen as 7 seconds, 15 seconds, 30 seconds, Always On or Power Save Mode. Highlight the desired setting and press the **OK Key [SET]**.
 - **Keypad:** Set the backlight duration for the keypad as 7 seconds, 15 seconds, 30 seconds, Always On or Always Off. Highlight the desired setting and press the **OK Key [SET]**.

Wallpaper

This option allows you to choose the background image displayed in idle mode.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Wallpaper**.
2. Select **My Pictures** or **Fun Animations** and press the **OK Key**.
3. Highlight the desired image and press the **Left Soft Key [Preview]** to view it.
4. Press the **OK Key** to set it as wallpaper.

Display Themes

This option allows you to choose different themes for the phone's menus.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Display Themes**.
2. Press the **Right Soft Key [Help]** to view the help information. Press the **Left Soft Key [Preview]** to preview the highlighted display theme.
3. In the preview interface, press the **Directional Key** left or right to change the themes. Press the **Left Soft Key [List]** to go back to the theme list.
4. Select either **VZW White**, **Neon**, or **Rebirth** in theme list or preview interface, and press the **OK Key [SET]** to save the setting.

Main Menu Settings

This option allows you to set the main menu display. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Main Menu Settings**.

Menu Layout

Set the menu layout to **Tab**, **List** or **Grid** by pressing the **OK Key [SET]**. You can press the **Left Soft Key [Preview]** to preview the menu layout.

Replace Menu Items

1. Select the item you want to replace and press the **OK Key [EDIT]**.
2. Then select the item in the list you want to replace it with, and press the **OK Key [SET]**.
3. Press the **Left Soft Key [Done]** to complete the setting.

Position Menu Items

1. Select the item you want to move and press the **OK Key [MOVE]**.
2. Highlight the desired position using the **Directional Key** and press the **OK Key [SWAP]**.
3. Press the **Left Soft Key [Done]** to complete the setting.

Reset Menu Settings

You can reset to the default main menu display by choosing from **Menu Layout**, **Menu Items**, **Item Positions** or **All** and pressing the **OK Key**.

Dial Fonts

This option allows you to set the dial font size.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Dial Fonts**.
2. Select **Normal** or **Large Only** for the dial fonts and press the **OK Key [SET]** to confirm.

Menu Font Type

This option allows you to set the menu font type.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Menu Font Type**.
2. Select **VZW Fonts**, **Nadianne**, or **Zemke** and press the **OK Key [SET]** to confirm. The default menu font type is **VZW Fonts**.

Menu Font Size

This option allows you to set the menu font size.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Menu Font Size**.
2. Select **Normal** or **Large** and press the **OK Key [SET]** to confirm.

Clock Format

This option allows you to choose the clock format displayed in idle mode.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Display Settings** > **Clock Format**.
2. Choose from the following options: **Analog**, **Large Analog**, **Digital 12**, **Large Digital 12**, **Digital 24**, **Large Digital 24** or **Off**.
3. Press the **Left Soft Key [Preview]** to view the clock format.
4. Press the **OK Key [SET]** to confirm the setting.

Phone Settings

Airplane Mode

When Airplane Mode is turned on, all wireless communications are disabled. You cannot use your phone to place or receive calls. But when you make an emergency call: 911, the phone will turn off Airplane Mode automatically and the outgoing call screen will display.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Airplane Mode**.
2. Select either **On** or **Off**, and press the **OK Key [SET]**.

Setting Shortcuts

Setting My Shortcuts

This option allows you to assign applications to the **MY SHORTCUTS** menu.

To personalize the MY SHORTCUTS menu

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Set Shortcuts** > **Set My Shortcuts**.
2. Select the shortcut you want to change, and press the **OK Key [SET]** to enter the available applications list.
3. Press the **Directional Key** up or down to select an application for replacement and press the **OK Key** to confirm.

Note: Press the **Right Soft Key [Options]** and select **Reset Shortcut 1, 2, 3** or **4** and press the **OK Key**. Select **Yes** and press the **OK Key** to reset.

Press the **Right Soft Key [Options]** and select **Reset My Shortcuts** and press the **OK Key**. Select **Yes** and press the **OK Key** to reset all the shortcuts to the factory default.

Setting Directional Keys

This option allows you to set shortcuts to assign applications to the up, down and left Directional Keys.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Set Shortcuts** > **Set Directional Keys**.
2. Highlight the **Directional Key** you want to change, and press the **OK Key [SET]** to enter the available applications list.
3. Press the **Directional Key** up or down to select an application for replacement and press the **OK Key** to confirm.

Language

You can change the phone language between English and Spanish.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Language**.
2. Select **English** or **Español** and press the **OK Key [SET]** to confirm.

Location

This Global Positioning Service (GPS) location feature can identify your location to the network. You can fully enable this GPS location function or set GPS to work only when you dial 911 from your phone.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Location**.
2. Select one of the following options and press the **OK Key [SET]**.
 - **Location On:** GPS location function is on wherever the feature is available.
 - **E911 Only:** GPS location function is on only when you dial 911.

Note: This feature is only available on the Verizon Wireless network.

Current Country

This option allows you to select your current location.

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Current Country**.
2. Select your current country in the list and press the **OK Key [SET]** to confirm.

Note: To assure that your phone works properly while you travel to a different country, please verify the country of your current location so the correct Country Code can be applied.

Phone Security

Edit Codes

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Phone Security**.
2. Enter the lock code and press the **OK Key**.
3. Select **Edit Codes** and press the **OK Key**.
4. Select **Phone Only** or **Calls & Services** and press the **OK Key**.
5. Enter the current lock code and press the **OK Key** if needed.
6. Enter the new lock code and press the **OK Key**.
7. Re-enter the new code for confirmation and press the **OK Key**.

Restrictions

1. Press the **OK Key [MENU]** > **Settings & Tools** > **Phone Settings** > **Phone Security**.
2. Enter the lock code and press the **OK Key**.
3. Select **Restrictions** and press the **OK Key**.
4. Enter the lock code and press the **OK Key**.

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5. Select **Location Setting** and press the **OK Key**, and then select **Unlock Setting** or **Lock Setting** and press the **OK Key [SET]**.

Note: If **Lock Setting** is selected, you need to enter the lock code before accessing **MENU > Settings & Tools > Phone Settings > Location**.

Phone Lock Setting

This option helps to keep your phone from unauthorized use. The use of your phone is restricted once the phone is locked. You can still make emergency calls when the phone is locked.

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > Phone Security**.
2. Enter the lock code and press the **OK Key**.
3. Select **Phone Lock Setting** and press the **OK Key**.
4. Select one of the following options and press the **OK Key [SET]**.
 - **Unlocked:** The phone is not locked whenever you power up the phone.
 - **On Power Up:** You need to enter the lock code whenever you power up your phone.

Lock Phone Now

Please refer to the section “Locking/Unlocking Your Phone” on page xx.

Restore Phone

This option allows you to permanently erase all user data and reset all settings to factory defaults.

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > Phone Security**.
2. Enter the lock code and press the **OK Key**.
3. Select **Restore Phone** and press the **OK Key**.
4. Select **Yes** and press the **OK Key** to continue. Select **No** and press the **OK Key** to return to the previous menu.
5. Enter the lock code again and press the **OK Key** to restore the phone.

SIM Security

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > SIM Security**.
2. Enter the lock code and press the **OK Key**.
3. Select **PIN Code** and press the **OK Key**.
4. Select **PIN Lock** to enable or disable the SIM PIN lock. Select **Edit PIN Code** to change the SIM PIN code.

To unlock your SIM Card:

1. Select **SIM Lock** in the SIM Security menu and press the **OK Key**.
2. Select **Unlocked**. Enter the SIM unlock code and press the **OK Key**.

Network Mode

Please refer to the section “Choosing the Network Mode” on page xx.

System Select

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > System Select**.
2. Choose **CDMA Settings** or **GSM Settings**, and select one of the following options.
 - **Manual:** Your phone is available for normal operation only in the home network.
 - **Automatic:** You can use your phone in the home or roaming network.

NAM Select

This option allows you to select the phone’s NAM (Number Assignment Module). Contact your service provider for more information about the NAM.

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1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > NAM Select**.
 2. Select **NAM1** or **NAM2**, and press the **OK Key [SET]** to confirm.

Auto Key Lock

Please refer to the section “Locking/Unlocking the Keypad” on page xx.

Time & Date

This menu appears only in GSM or Global Mode.

1. Press the **OK Key [MENU] > Settings & Tools > Phone Settings > Time & Date**.
2. Select **Time Setting** or **Date Setting** to set the time and date.

Call Settings

Answer Options

Answer Options allows you to select the method for answering incoming calls.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > Answer Options**.
2. Select one of the following options and press the **OK Key [MARK]**.
 - **Any Key**: Calls are answered when any key is pressed.
 - **Auto with Handsfree**: Calls are answered automatically with 5 seconds delay.
3. Press the **Left Soft Key [Done]** to confirm the setting. The default setting is **Slide Open**.

Note: **Auto with Handsfree** is available when a headset is inserted into your phone.

Auto Retry

Auto Retry feature will automatically redial voice calls after a preset period of time.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > Auto Retry**.
2. Select **10, 30, 60 Seconds** or **Off** and press the **OK Key [SET]**.

TTY Mode

Your handset is a TTY compatible device. Simply connect the TTY equipment to the Earphone Jack.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > TTY Mode**.
2. Select one of the following options and press the **OK Key [SET]**.
 - **TTY Full**: Users who cannot talk or hear may use this setting to send and receive text messages through TTY equipment.
 - **TTY + Talk**: Users who can talk, but cannot hear, may use this setting to talk through the phone and receive responses via text messages.
 - **TTY + Hear**: Users who can hear, but cannot talk, may use this setting to listen to conversation of the other party, and respond via text messages.
 - **TTY Off**: Users who can hear and speak may use this setting to disable TTY support.

One Touch Dial

This feature allows you to enable or disable the speed dial feature.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > One Touch Dial**.
2. Select **On** or **Off** and press the **OK Key [SET]** to confirm.

Voice Privacy

This feature allows you set additional voice privacy for calls.

Please contact your service provider to check the availability of the feature.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > Voice Privacy**.

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2. Select **On** or **Off** and press the **OK Key [SET]** to confirm.

DTMF Tones

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > DTMF Tones**.
2. Select **Normal** or **Long** and press the **OK Key [SET]** to set the DTMF tones length.

Assisted Dialing

This feature allows easy dialing of international calls when you are roaming in another country.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > Assisted Dialing**.
2. Highlight **Assisted Dialing**, and press the **Directional Key** left or right to select **On** or **Off**.
3. Highlight **Reference Country** by pressing the **Directional Key** down, then press the **Left Soft Key [Set]** and choose a country from a list of countries that support assisted dialing.
4. In the country list, press the **Left Soft Key [Details]** to view and edit the detailed information. Press the **OK Key** to save it.
5. Press the **OK Key** again to complete the assisted dialing set-up.

Hearing Aid Mode

This phone supports HAC (Hearing Aid Compatibility) function. When you turn on the Hearing Aid Mode and use a hearing aid with a Telecoil to answer the phone, it will help you hear more clearly while speaking on the phone.

For more detailed information on HAC, please refer to the Section: **For Your Safety – Turn on the HAC Setting**.

1. Press the **OK Key [MENU] > Settings & Tools > Call Settings > Hearing Aid Mode**.
2. Select **On** or **Off** and press the **OK Key [SET]** to confirm.

Data Manager

Press the **OK Key [MENU] > Settings & Tools > Data Manager**.

Memory

1. Press the **OK Key [MENU] > Settings & Tools > Memory**.
2. You can choose to set the save options, view the phone and card memory, and lock/unlock the memory card.

Phone Info

1. Press the **OK Key [MENU] > Settings & Tools > Phone Info**.
2. Select **My Number** and press the **OK Key** to view the Mobile Device Number and Mobile Identification Number. Press the **OK Key** to return to the previous menu.
3. Select **SW/HW Version** and press the **OK Key** to view Software version, PRL version, ERI version, Browser version, Media Center version, MSUI version, HW version, MEID, Software Update Client and Warranty Date Code.
4. Select **Icon Glossary** and press the **OK Key** to view the list of icons with a brief description.
5. Select **Software Update** and press the **OK Key**. Select one of the following options and press the **OK Key**.
 - **Status:** Check the status of your phone's software.
 - **Check New:** Check for new software updates that you can download for your phone.
6. Select **SIM ID** to check your SIM card ID.

For Your Safety

General Care

Your handset contains delicate electronic circuitry, magnets and battery systems. You should treat it with care and give particular attention to the following points:

- Do not allow the handset, battery or accessories to come into contact with liquids or moisture at any time. Do not immerse it in any liquid.
- Do not place the handset alongside computer disks, credit cards, travel cards or other magnetic media. The information contained on the disks or cards may be affected by the handset.
- Do not paint the handset.
- Do not leave the handset or battery in places where the temperature could exceed 140 °F, e.g. on a car dashboard or a windowsill, behind glass in direct sunlight, etc.
- Do not remove the handset battery while the handset is switched on.
- Take care not to allow metal objects, such as coins or key rings, to contact or short-circuit the battery terminals.
- Do not dispose of batteries in fire. The handset's Li-ION batteries may be safely disposed of at a Li-ION recycling point. Follow local requirements for recycling.
- Do not put the handset's battery in your mouth, as battery electrolytes may be toxic if swallowed.
- Do not disassemble or crush, bend or deform, puncture, or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified by ZTE. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short-circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion, or other hazard.
- The phone shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- Do not put a battery into a microwave oven, dryer or high-pressure container.
- Use only authorized chargers.
- Do not puncture the battery with a sharp object such as a needle.
- When the battery is disposed, be sure it is non-conducting by applying vinyl tape to the (+) and (-) terminals.
- Do not drop, throw, or subject the handset to rough treatment.
- Stop using the battery if abnormal heat, odor, discoloration, deformation, or abnormal condition is detected during use, charge or storage.
- Do not use your handset with a damaged or deformed battery.
- Do not solder the battery directly.
- Remove the battery whose life cycle has expired from equipment immediately.
- The earpiece may become warm during normal use. Also, the handset itself may become warm while the battery is being charged.

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- When a handset is in vibration mode, the vibration may cause the handset to move.
 - Be careful not to place the handset near heat sources (such as a heater).
 - Use a damp or anti-static cloth to clean the handset. Do not use an ordinary dry cloth or electrostatic cloth. Do not use chemical or abrasive cleaners as these could damage the casing.
 - Third party equipment: The use of third party equipment, cables, or accessories, not made or authorized by ZTE, may invalidate the warranty of your phone and also adversely affect the phone's safety and operation.
 - Remember to make backup copies of all important data on your handset.
 - Remember to recycle: The cardboard packing supplied with this handset is ideal for recycling.

Warnings: In the unlikely event of a battery leak, take care to keep the battery discharge away from your eyes and skin. If the leakage does come into contact with the eyes or skin, flush thoroughly with clean water and consult with a doctor.

Aircraft Safety

- Switch off your phone or activate the airplane mode when inside or near an aircraft. Use of handsets in an aircraft may be dangerous to the operation of the aircraft and may disrupt the cellular network. Failure to observe this instruction may lead to suspension or denial of phone service to the offender, or legal action, or both.
- Airplane mode allows you to use many of your phone's features, such as calculator, voice memos, and many others when you are in an airplane or other area where wireless signals may cause interference. In the airplane mode, you are prohibited from making or receiving calls.

Hospital Safety

- Switch off your phone and remove its battery in areas where handset use is prohibited.
- Follow the instructions given by any respective medical facility regarding the use of cellular handsets on their premises.

General Guidelines

- Many jurisdictions have laws and regulations about taking pictures in public or private areas regarding the processing and further use of such pictures. ZTE encourages its customers to obey all laws and to honor the personal rights of others.
- Check the roaming agreement availability with your network operator.
- The use of mobile phones is not allowed in some radiation sensitive areas, such as hospitals, research centers, and airplanes. The user is responsible for powering off the device. If there is any uncertainty, the battery should be removed.
- Observe any signs that indicate powering off your handset, such as those near gas stations or explosives.
- If you have a heart condition, be careful with the setting of call vibration or tone volume. This phone is capable of producing loud noises which may damage your hearing. Turn down the volume before using headphones, Bluetooth stereo headsets or other audio devices.
- Do not allow children to play with the handset, charger or batteries.
- The operation of some medical electronic devices, such as hearing aids and pacemakers, may be affected if a handset is used next to them. Observe any caution signs and the manufacturer's recommendations.
- Take care not to put your phone in the back pocket of your pants and then sit on the phone. Also, do not put your phone at the bottom of a bag where it may be subject to excessive weight or pressure as this may damage the LCD and cause them to malfunction.
- The phone contains metal and may cause a reaction for overly sensitive skin types.
- Do not leave the phone discharged or without a battery for a long period of time. Otherwise some data may be erased.

Road Safety

- You must exercise proper control of your vehicle at all times. Give your full attention to driving.
- Observe all of the recommendations contained in your local traffic safety documentation.
- Pull off the road and park before making or answering a call, if driving conditions require so. Check if local laws and/or regulations restrict the use of cellular phones while driving.
- You must not stop on the hard shoulder of a motorway to answer or make a call, except in emergency situations.
- Switch off your handset at a refueling point, such as a gas station, even if you are not refueling your own car.
- Do not store or carry flammable or explosive materials in the same compartment as the handset.
- Electronic systems in a vehicle, such as anti-lock brakes, speed control and fuel injection systems are not normally affected by radio transmissions. The manufacturer of such equipment may advise if it is adequately shielded from radio transmissions. If you suspect vehicle problems caused by the radio transmitter in the handset, consult your dealer and do not switch on the handset until your handset has been checked by a qualified technician.

Vehicles Equipped With an Airbag

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

Third Party Equipment

The use of third party equipment, cables or accessories, not made or authorized by ZTE, may invalidate the warranty of the handset and also adversely affect the handset's operation. For example, use only the ZTE charger supplied with the handset.

Efficient Use

For optimum performance with minimum power consumption, do not cover the antenna area (It's on the bottom of your phone when you are holding it) with your hand. Covering the antenna affects the call quality, may cause the handset to operate at higher power levels than needed, and may shorten talk and standby times.

Radio Frequency (RF) Energy

This model phone meets the government's requirements for exposure to radio waves.

This phone 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:

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 accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 1.19W/kg and when worn on the body, as described in this user guide, is 1.15 W/kg (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of individual F450 phones and at various positions, they all meet the government requirement.

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

FCC ID: Q78-ZTECF450

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.

Emergency Services

To make an emergency call in any country:

1. Ensure your phone is **ON** and in service.
2. Press the **End Key** as many times as needed to clear the display and ready the device for calls.
3. Enter a local emergency number, i.e., 911.
4. Press the **Send Key** to dial the number. Follow instructions received and do not end the call until told to do so.

IMPORTANT: Tell the operator which service you require: Police, Ambulance, Fire Engine, Coastguard or Mountain Rescue Service. Give your position, and if possible, remain stationary and maintain contact. Due to the nature of the cellular system, the connection of emergency calls cannot be guaranteed. You should never rely on any wireless device for essential communication such as medical emergencies.

FCC Compliance

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

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Using Your Phone With a Hearing Aid Device

Your F450 device is compliant with the FCC Hearing Aid Compatibility (HAC) requirements. For additional HAC information, including the HAC rating of this product, please refer to www.zteusa-support.com.

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

interference they generate. The wireless telephone industry has developed ratings for some of their mobile phones to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that have been rated have a label on the box. Your F450 has been tested for hearing aid device compatibility and has an M4 and/or T4 rating.

These ratings are not guaranteed. Results will vary, depending on the level of immunity of your hearing device and the degree of your hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference with hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices contain telecoils.) The more immune your hearing aid device is, the less likely you are to experience interference noise from your wireless phone.

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device.

For additional information about the FCC's actions with regard to hearing aid compatible wireless devices and other steps the FCC has taken to ensure that individuals with disabilities have access to telecommunications services, please go to www.fcc.gov/cgb/dro.

Turning on the HAC Setting

When the HAC setting is on, your F450 sends the audio from your phone calls to the telecoil rather than to the microphone of your hearing aid. You are likely to hear calls much better because volume is increased and background noise and feedback are diminished. The HAC setting improves only the calls you listen to through the earpiece. It does not affect calls heard on the speakerphone or with a headset. It's better to turn off the Bluetooth function when the HAC setting is on. HAC requires extra battery power, so watch your battery consumption when it's turned on.

CAUTION: Do not turn on the HAC setting unless you use a hearing aid with a telecoil. Using this setting without a hearing aid or with a hearing aid without a telecoil may be harmful to your hearing.

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Consumer Limited Warranty

ZTE ("Seller") offers you a limited warranty that the enclosed product or products (the "Product") will be free from defects in material and workmanship for a period that expires one year from the date of sale of the Product to you, provided that you are the original end-user purchaser of the Product and provided that your purchase was made from a supplier authorized by the Seller. Transfer or resale of a Product will automatically terminate warranty coverage with respect to that Product. This limited warranty is not transferable to any third party, including but not limited to any subsequent purchaser or owner of the Product. This limited warranty is applicable only to end users in the United States.

Seller will, at its sole and absolute discretion, either repair or replace a Product (which unit may use refurbished parts of similar quality and functionality) if found by Seller to be defective in material or workmanship, or if Seller determines that it is unable to repair or replace such Product, Seller will refund the purchase price for such Product, provided that the subject Product (i) is returned to a Seller authorized service center within the one year warranty period, and (ii) is accompanied by a proof of purchase in the form of a bill of sale or receipted invoice which evidences that the subject Product is within the one year warranty period. After the one year warranty period, you must pay all shipping, parts and labor charges. In the event that the product is deemed un-repairable or has been removed from the list of products supported by the Seller, you will only be liable for shipping and labor charges.

This limited warranty does not cover and is void with respect to the following: (i) any Product which has been improperly installed, repaired, maintained or modified; (ii) any Product which has been subjected to misuse (including any Product used in conjunction with hardware electrically or mechanically incompatible or used with accessories not approved by Seller), abuse, accident, physical damage, abnormal operation, improper handling, neglect, exposure to fire or liquid; (iii) any Product operated outside published maximum ratings; (iv) cosmetic damage; (v) any Product on which warranty stickers or Product serial numbers have been removed, altered, or rendered illegible; (vi) cost of installation, removal or reinstallation; (vii) signal reception problems (unless caused by defects in material and workmanship); (viii) damage the result of fire, flood, acts of God or other acts which are not the fault of Seller and which the Product is not specified to tolerate, including damage caused by mishandling, shipping and blown fuses; (ix) consumables (such as fuses); or (x) any Product which has been opened, repaired, modified or altered by anyone other than Seller or a Seller authorized service center.

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For warranty service information, please call the following telephone number: 1-877-817-1759, 1-212-444-0502 or return to the point of sale for the products.