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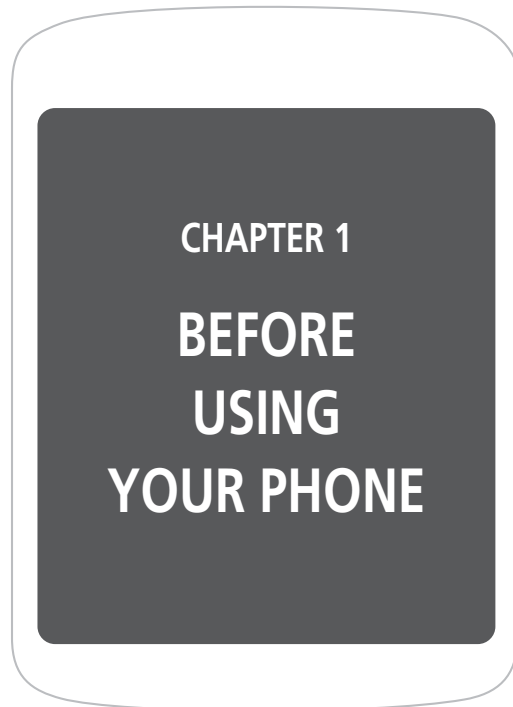
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CHAPTER 1

BEFORE USING YOUR PHONE



This chapter provides important information about your UTStarcom handset including:

Package Contents
Handset Description
Battery Usage
Battery Handling Information

PACKAGE CONTENTS

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



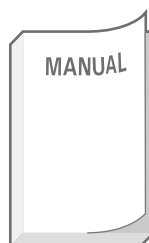
Handset



AC Charger



Standard Battery



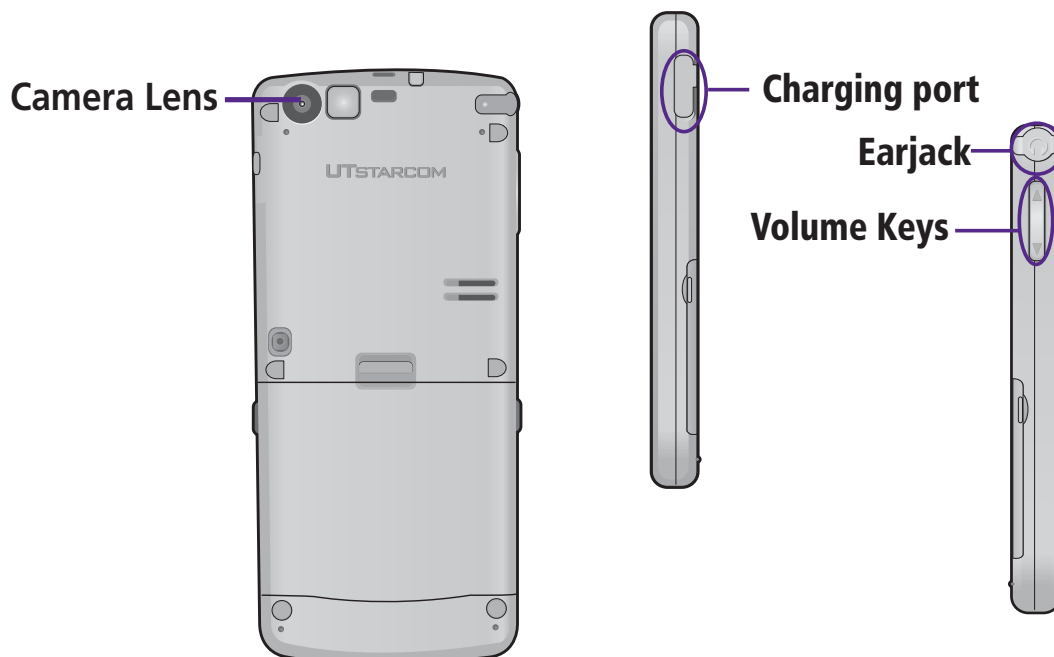
Manual



Handstrap

HANDSET DESCRIPTION

Your 1450 weighs 3.2 ounces. The dimensions are 3.5"x1.9"x.8".



HANDSET DESCRIPTION

(THE FUNCTION KEYS)



NAVIGATION KEY

In Idle Mode: Press for Metro Web, for Recent Call, for Send txt msg.

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



Send Key

Press to make or receive a call, or in idle mode press to access the All Calls list.



End Key

Press to terminate a call or to return to idle mode. Press and hold to turn the phone on/off.



Left Option Button

Press to access Menu or function displayed on bottom line.



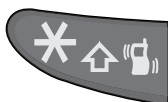
Right Option Button

Press to access the Message Menu or function displayed on bottom line.



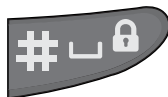
CLR Key

Press to clear a digit or press and hold to clear all digits from the display. Press to return to the previous page.



Shift Key

Enters the asterisk [*] character for calling features. In text entry mode, press to change the character input type. Press and hold to turn on/off Vibrate mode.



Space Key

In text entry mode, press to accept the word and add a space. Press and hold to lock/unlock the phone.



0 Key

In T9 Mode, press to see other word choices.



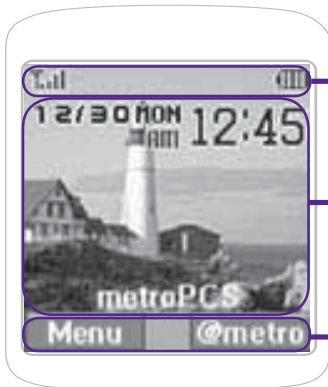
Side Volume Key

Allows you to adjust the ringer volume in standby mode (with the flip open) or adjust the voice volume during a call. The volume key can also be used to scroll up or down to navigate through the different menu options. Press to ignore an incoming call and mute the ringer.

HANDSET DESCRIPTION

(DISPLAY INDICATORS)

The idle mode display appears when you are not on a call or using the menu. You must be in the idle mode display to dial a phone number.



Display Indicators

Display various icons.

Text & Graphic area

Soft Key Indicators

Shows the functions currently assigned to each Option Button and displays some icons.

	Signal Strength Current signal strength: the more lines, the stronger the signal.
	Roaming Phone is out of home area.
	No Service Indicates the phone cannot receive a signal from the system.
	TTY Indicates your phone is active in TTY mode.
	GPS Icon Indicates the Location Service of your phone is disabled/enabled.
	Battery Battery charging level — the more blocks, the stronger the charge.
	Battery Charging

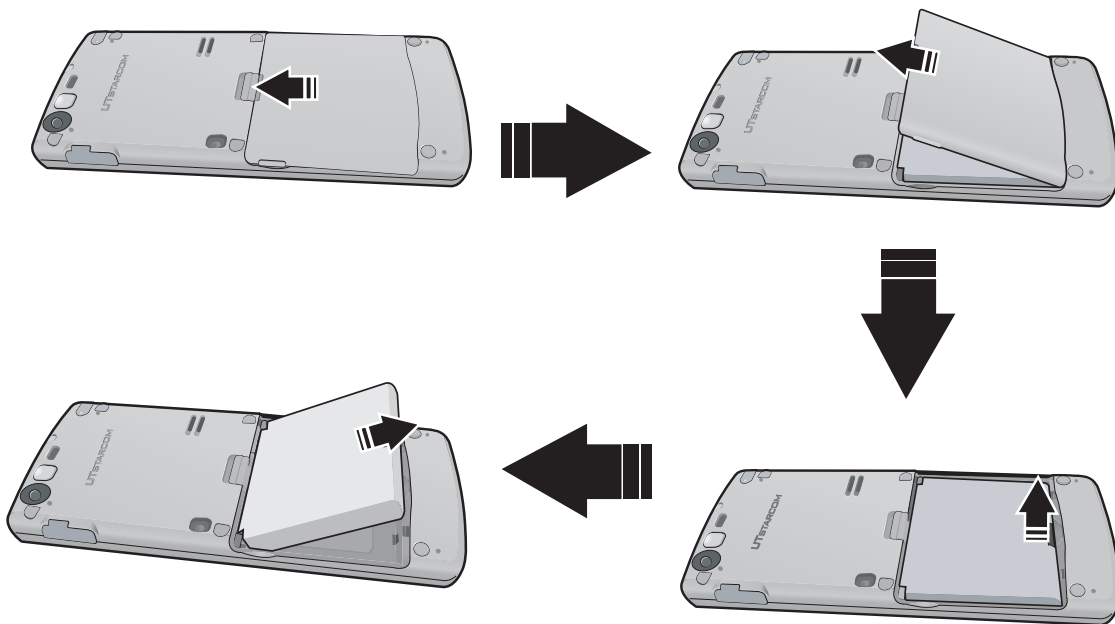
HANDSET DESCRIPTION

(DISPLAY INDICATORS)

	Alarm Appears when either a calendar or an alarm is set.
	Emergency Call Blinks when an emergency call is in progress.
	Vibrate Only Phone will vibrate to notify you of an incoming call.
	All Off Indicates the ringer volume is set to off.
	Silence Phone is set to Silent - no sound will be made to notify you of incoming calls or messages.
	Voicemail Indicates you have voicemail messages.
	New Messages Indicates you have new text messages.
	New Voice Messages Indicates you have both text and voicemail messages.
	Download Downloading is in progress.

BATTERY USAGE (BATTERY INSTALLATION)

1. Place the battery (label side up) on the back of the phone so the metal contacts match up on the battery and in the battery cavity.
2. Slide the battery down into the battery cavity until it locks into place.

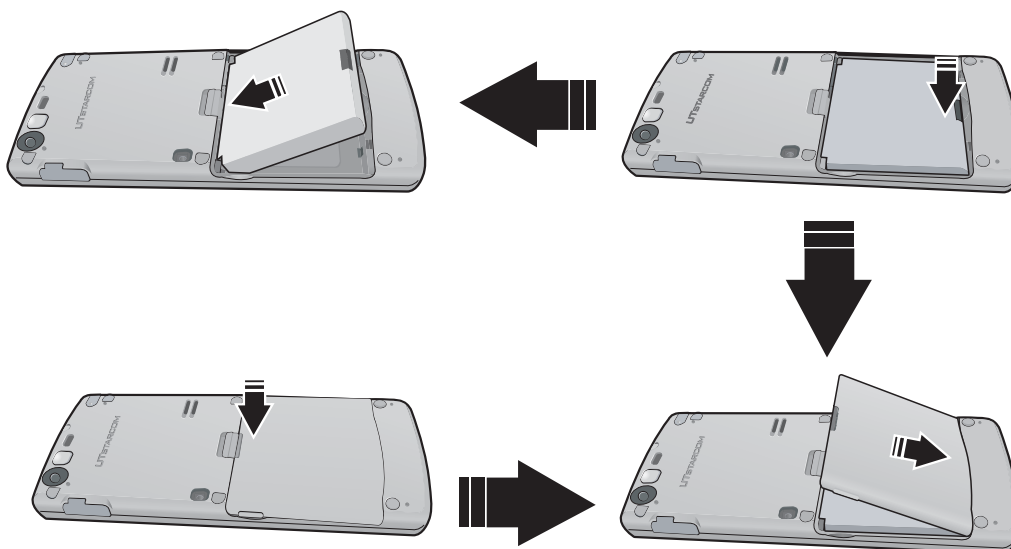


BATTERY USAGE (BATTERY REMOVAL)

1. Push down the release latch button, then slide the battery cover off the phone.
2. Lift the battery up and out of the battery cavity from the top of the battery.

Note

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



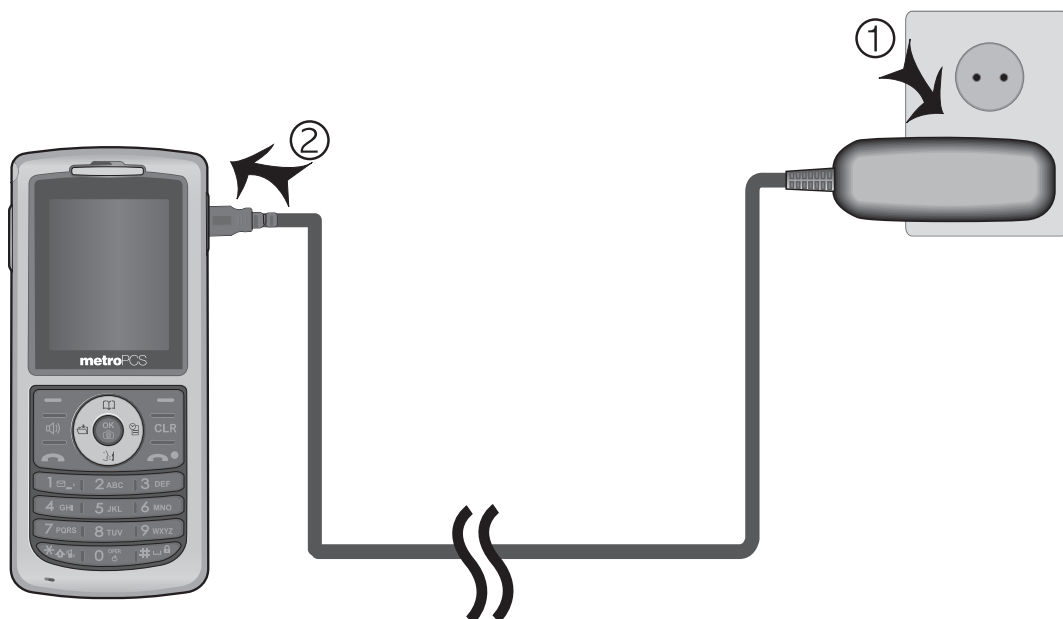
BATTERY USAGE (BATTERY CHARGING)

POWER CONNECTION

1. Plug the AC Charger into a standard outlet.
2. Plug the other end of the AC Charger into the charging port on your phone. The battery must be installed onto the phone to work properly.

Hot Key

- When you charge the battery with the phone powered off, you will see a charging status screen. You cannot operate the phone until it is powered on.
- The battery is not charged at the time of purchase.
- Fully charge the battery before use.
- It is more efficient to charge the battery with the handset powered off.
- The battery must be connected to the phone in order to charge it.
- Battery operating time gradually decreases over time.
- If the battery fails to perform normally, you may need to replace the battery.



BATTERY HANDLING INFORMATION

DO's

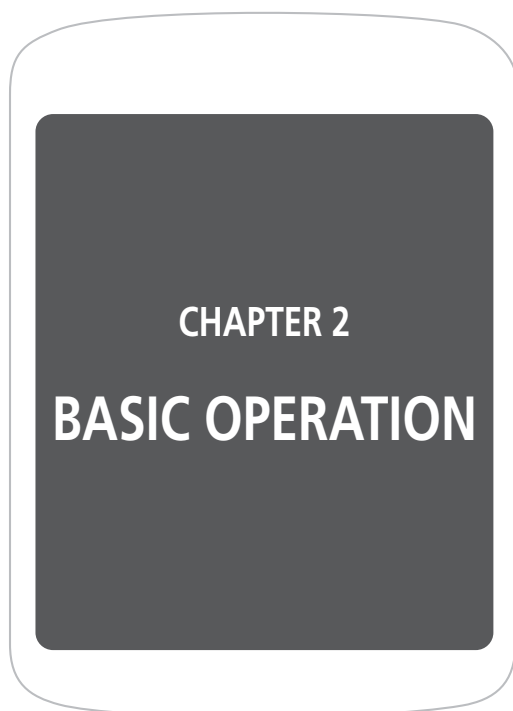
- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local laws.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't accidentally short circuit the battery by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens. This may critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

CHAPTER 2

BASIC OPERATION



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

Turning the Phone On/Off

Accessing the Menu

Menu Summary

Basic Functions

During a Call

Making an Emergency Call

TURNING THE PHONE ON / OFF

TURNING THE PHONE ON

1. Press and hold  until your "metroPCS" logo appears and the tone sounds.

Note

- If "Password" appears on the display enter your 4-digit password to unlock your phone.
- The default password is the last 4 digits of your phone number.

TURNING THE PHONE OFF

1. Press and hold  until tone sounds.

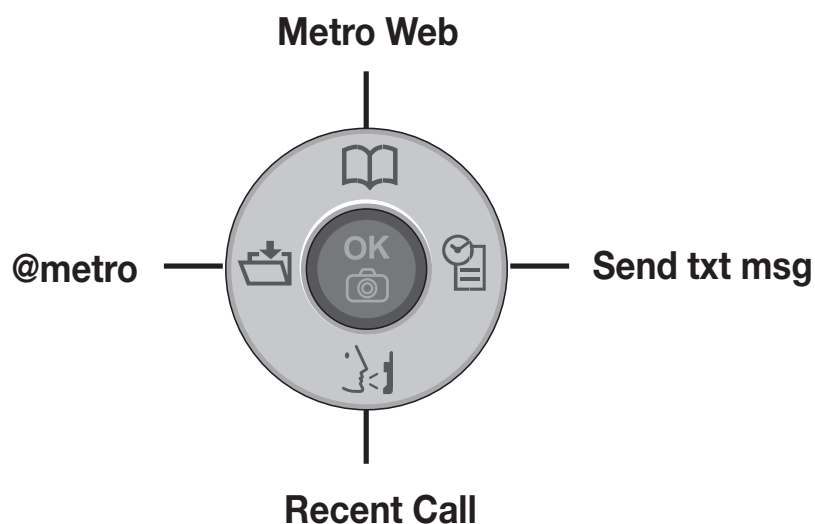
Note

- Immediately change or recharge the battery when "LOW BATTERY!! PHONE IS TURNING OFF!" appears on the display. Memory may possibly be damaged if the phone turns off due to the battery completely draining.
- Turn the phone off before removing or replacing the battery. If the phone is on, unsaved data may be lost.

ACCESSING THE MENU

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

1. To access the menu in the idle mode, press  [Menu].
2. Press  /  to scroll through the menu items.
Press  /  to scroll through the submenus for each menu item.
3. To return to the previous page, press  . To exit the current menu and return to the idle mode, press  .
4. Press  to enter a function when its main page is displayed or press its assigned number to have direct access to the function.



MENU SUMMARY

1. MESSAGING

1. Send text msg
2. Send pic msg
3. Send email msg
4. Send IM
5. Inbox
6. Virgin Alerts
7. Sent
8. Saved
9. Voicemail
10. Erase msgs
11. Msg settings
 - 11.1. Sound
 - 11.2. Reminder
 - 11.3. Auto text
 - 11.4. Text entry
 - 11.5. Group
 - 11.6. Signature
 - 11.7. Save to sent box
 - 11.8. Auto Erase
 - 11.9. Notification
 - 11.10. Callback number

2. CONTACTS

1. Find name
2. Add new entry
3. Group settings
4. Speed dial
5. My phone number

3. RECENT CALLS

1. Incoming calls
2. Outgoing calls
3. Missed calls

4. Recent calls
5. Call timer

4. @METRO

1. @Metro
2. Settings
3. Help

5. METRO WEB

1. Launch

6. PICTURE

1. Take a picture
2. Send pic msg
3. My pictures
4. Settings
 - 4.1. Resolution
 - 4.2. Quality
 - 4.3. Shutter Sound
5. Help
 - 5.1. Resolution
 - 5.2. Quality
 - 5.3. Picture message

7. MY STUFF

1. My ringtones
2. My games
3. My other stuff
4. My graphics
5. My sounds

8. TOOL

1. Voice
 - 1.1. Voice memo

MENU SUMMARY

- 1.2. Voice command
- 2. Tip calculator
- 3. Calculator
- 4. Alarm clock
- 5. Scheduler
- 6. Memo pad
- 7. Stopwatch
- 8. World clock
- 9. Memory manager

5. SETTINGS

- 1. Sound
 - 1.1. Ringer Type
 - 1.1.1. With caller ID
 - 1.1.2. No caller ID
 - 1.2. Volume
 - 1.2.1. Ringer
 - 1.2.2. Receiver
 - 1.2.3. Speakerphone
 - 1.2.4. Headset
 - 1.2.4. Key tone
 - 1.2.4. Applications
 - 1.2.4. Others
 - 1.2.4.1. Messaging
 - 1.2.4.2. Voicemail
 - 1.2.4.3. Alarm & scheduler
 - 1.2.4.4. Power on/off
 - 1.3. Alerts
 - 1.3.1. Minute minder
 - 1.3.2. Connect tone
 - 1.3.3. Service tone
 - 1.3.4. Fade tone
 - 1.4. Tone Length

- 2. Display
 - 2.1. Graphics
 - 2.1.1. Wallpaper
 - 2.1.1.1. My graphics
 - 2.1.1.2. My pictures
 - 2.1.2. Clock and Calendar
 - 2.1.3. Screen Saver
 - 2.1.3.1. Time
 - 2.1.3.2. My graphics
 - 2.1.3.3. My picture
 - 2.2. Incoming calls
 - 2.2.1. My graphics
 - 2.2.2. My pictures
 - 2.3. Menu Style
 - 2.4. Greeting
 - 2.5. Backlight
 - 2.5.1. Main Display
 - 2.5.2. Keypad
- 3. Messaging
 - 3.1. Sound
 - 3.1.1. Text messaging
 - 3.1.2. Picture messaging
 - 3.1.3. Voicemail
 - 3.2. Reminder
 - 3.3. Auto text
 - 3.4. Text entry
 - 3.5. Group
 - 3.6. Signature
 - 3.7. Save to sent box
 - 3.8. Auto erase
 - 3.9. Notification
 - 3.0. Callback number
- 4. Bluetooth
 - 4.1. My Device
 - 4.2. Settings

MENU SUMMARY

- 4.3. Support Service
- 4.4. Information
- 5. Security
 - 5.1. Handset lock
 - 5.2. Key lock
 - 5.3. Special number
 - 5.4. Change Lock Code
 - 5.5. Erase Data
 - 5.6. Reset Browser
 - 5.7. Default Settings
 - 5.8. Reset handset
- 6. Location
- 7. Call settings
 - 4.1. Answer Mode
 - 4.2. Auto Answer
- 8. Others
 - 8.1. TTY
 - 8.2. Abbrev. Dial
 - 8.2. Contacts Match
 - 8.3. Typing mode
 - 8.3.1. Auto-Capital
 - 8.3.2. Auto-Space
 - 8.3.3. My Words
 - 8.3.4. T9 Settings
 - 8.3.5. Help
 - 8.4. Voice Command
 - 8.4.1. VR Results
 - 8.4.2. Train Voice
 - 8.3.3. Prompts
 - 8.3.4. Number Format
- 9. Handset info.
 - 9.1. My mobile number
 - 9.2. Version
 - 9.3. Icon glossary
 - 9.4. Advanced

MAKING A CALL

1. Enter a phone number.

Note

To modify the phone number you have entered :

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

2. Press  .

Note

- If "CALL FAILED" appears on the display or the line is busy, press  or  .
- If you activate the "AUTO RETRY" function, the phone will automatically retry for the number of times you have selected.
- When you place or receive a call from stored phone numbers, only the name will be displayed.
- If "Enter Lock Code" appears on the display enter your 4-digit password to unlock your phone.
- Your default password is the last 4 digits of your phone number.

3. To end a call, press  .

ANSWERING CALLS

1. When your phone rings or vibrates, press  to answer the incoming call. (Depending on your phone's settings, you may also answer incoming calls by opening the phone or by pressing any digit key. See page 74 for details.)

- To ignore incoming calls, press  [Ignore].

2. To end a call, press  .

BASIC FUNCTIONS

Note

- In Auto Answer Mode, a call is automatically answered after five seconds of ring tones.

SPEAKERPHONE

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

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

WAIT/PAUSE FEATURE

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

1. To insert a wait/pause, enter a phone number then press  [Options]. Select either a P-Hard Pause ("P" appears) or a T-2Sec Pause ("T" appears).
2. Press  to dial, or press  [Options] then "Save," to save the number.

3-WAY CALLING

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

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

CALLER ID FUNCTION

Identifies caller by displaying their phone number. If the caller's name and number are already stored in your phone book, their name will appear. This is a system dependent feature. Please contact your service provider for details.

CALL WAITING FUNCTION

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

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

Note

- Call Waiting is a system dependent feature. Please contact your service provider for details.

BASIC FUNCTIONS

ADJUSTING VOLUME

Adjusts the volume of the ringer, key beep and earpiece.

1. In idle mode, press  up or down. Choose from Ringer off, Vibrate All or Level 1~5. You can also choose to have the phone vibrate as well when the the phone rings. Press  to check the box on/off for Vibrate.
2. Press  [Save] to save the setting.

MUTE (UNMUTE)

If you press Mute during a call, the person you are speaking with cannot hear you or any sounds from your side of the conversation.

However, you can still hear them. To activate Mute during a call, press  [Mute].

- To deactivate, press  [Unmute].
- The phone will automatically unmute in Emergency Call or Callback Mode.

SPEAKER ON

To activate speakerphone during a call:

1. Press  [Options], then press  .

VOICE MEMO

To record a voice memo during a call:

1. Press  [Options], then press  .

CONTACTS

To view a phone number from your Contact list during a call:

1. Press  [Options], then press  .

DURING A CALL

RECENT CALLS

To select a phone number from your Recent Calls List during a call:

1. Press  [Options], then press  .

MESSAGING

To send a text message (SMS) during a call:

1. Press  [Options], then press  .

MAKING AN EMERGENCY CALL

The 911 feature puts the phone in the Emergency Call Mode when you dial the preprogrammed emergency number 911. It also operates in Lock Mode and outside the service area.

911 IN LOCK MODE

The 911 call service is available even in Lock Mode.

1. Enter "911", then press .
2. The call connects.
3. When the call ends, the phone returns to Lock Mode.

911 USING ANY AVAILABLE SYSTEM

1. Enter "911", then press .
2. The call connects.
3. The phone maintains the Emergency Mode and the phone can receive an incoming call from any available system. However, it can't make a call.

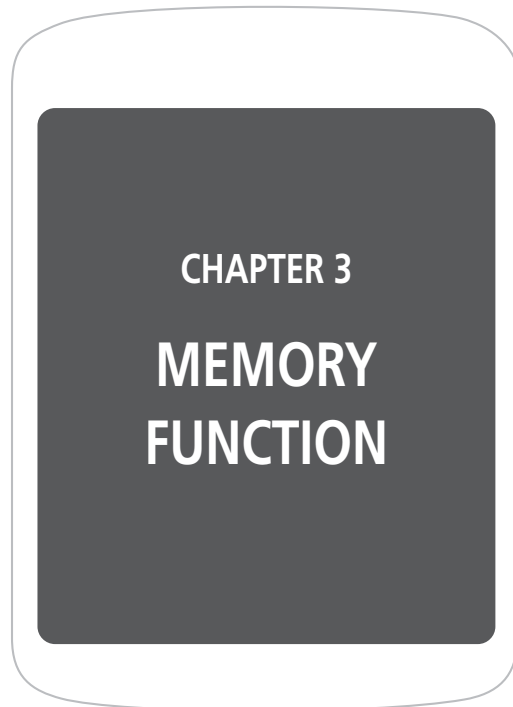
Note

- The 911 call does not appear in the recent call list.

MEMO

CHAPTER 3

MEMORY FUNCTION



This chapter addresses memory functions including:

Storing a Phone Number
Entering Letters, Numbers and Symbols
Making a Call Through the Contact List
Contacts

STORING A PHONE NUMBER

The phone book stores up to 500 entries.

1. Enter the phone number, press  [Options], then press  "Save".
2. Select "New Entry" or "Existing Entry". If "Existing Entry" is selected, your contact list is displayed. Choose the entry to add the number, then press  [Done]. Select the type of number you are adding from the icon list, then press  [Select]. Press  [Save] to save contact.
3. If "New Entry" is selected, the New Entry icon list appears. Press  /  to choose the type of number you are adding. Press  [Select] to select. Enter a name. To change the input mode, press  [Options]. Press  to enter information in other fields for the contact. Fields include "Name", "Mobile 1", "Mobile 2", "Email", "IM", "URL", "Group", "Ringtone", "Vibration", "Msg Alert", "Photo", "Secret", "Memo".

- **Group:** To set a group for the contact, highlight the Group Name.(Unassigned, Personal, Family, Business)
- **Ringtone:** To set a ringtone for the contact, highlight a Ringtone.(Normal Ringer, Funky, Hip-Hop, Pop, Rock, Guided By, La La Lah, Pick Up the Phone, Funbeep, SMS Alert, Voicemail Alert, WAP Push, Use Phone Ring)
- **Vibration:** To set a vibration for the contact, highlight the Vibration.(Use Phone Vib, Vibration 1~6)
- **Msg Alert:** To set a msg alert for the contact, highlight the Msg Alert.(Normal Ringer, Funky, Hip-Hop, Pop, Rock, Guided By, La La Lah, Pick Up the Phone, Funbeep, SMS Alert, Voicemail Alert, WAP Push, Use Phone Alert)
- **Photo:** To add a Photo for a contact, highlight the Photo field and press  . The Photo screen will appear. Highlight a photo and press  [Select].
- **Secret:** To set a secret for the contact, highlight a Secret.(Lock, Unlock)

STORING A PHONE NUMBER

- **Memo:** To add a memo for a contact, highlight the memo field and press . The Memo screen will appear. Enter your Memo and press  [Done].

4. To store the entry in your contact list, press  [Save] then select "Yes" to save contact.

ENTERING LETTERS, NUMBERS & SYMBOLS

The input mode will automatically be activated when it is necessary to enter letters and numbers. There are 4 available modes: Standard T9 Mode (T9 Word), Alphabet mode (ABC, Abc), Numeric mode (123) and Symbol mode (Symbol). The input mode indicator appears on the lower portion of the display when letters and numbers are entered.

KEY			
	Press key then  to change the entry mode - [T9 Word] [ABC] [Abc] [123] [Symbol]	In T9 mode, press to view the next matching word if the highlighted word is not the word you intended.	Press to accept a word and add a space.
KEY			
	Press to delete a character to the left of the cursor.	Press to select the letter case: [Abc], [ABC], [abc] / [T9w], [T9W], [t9w].	

ENTERING LETTERS, NUMBERS & SYMBOLS

T9 INPUT MODE

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

1. Press  [Options], then select "T9 Words".
2. Press a digit key once to enter the character you want then enter all the characters to input the word you want.
3. To view the next matching word, press .
4. To accept the matching word then enter a space, press .

Note

To enter a compound word:

- Enter the first part of the word then press  to accept it without adding a space after it.
- Enter the last part of the word then press  to accept the word.

E.G.

To enter "Funfare" in T9 mode:

- Press  [Options] to select T9 mode.
- Press , ,  until you see "Fun" highlighted.
- Press  to select "Fun".
- Press , , ,  and you will see "ease" highlighted.
- Press  until you see "fare" highlighted. Press  to select and add a space.

ENTERING LETTERS, NUMBERS & SYMBOLS

STANDARD INPUT MODE

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

1. Enter letters using the keypad. To change the input mode, press  [Options]. Select "Alphabet".
2. To enter a space, press . The cursor will automatically move to the next column.
3. Repeat until letters are entered.
4. To delete one digit, press . To delete the entire entry, press and hold .

E.G.

Select Abc mode by pressing  [Options], then Alphabet.

When you select this mode, the Abc icon appears as a visual confirmation.

- Find the key that corresponds to the letter you want to enter.
- Press it as many times as needed for the letter to appear on the screen.
- To enter the name "John":

Press []	J
Press [ ,  , ]	o
Press [ , ]	h
Press [ , ]	n

ENTERING LETTERS, NUMBERS & SYMBOLS

NUMERIC MODE

Allows you to enter numbers.

1. Press  [Options], then select "Number".
2. To enter a number, press its corresponding digit key.

SYMBOL MODE

Allows you to enter symbols.

1. Press  [Options], then select "Symbol."
2. Select the symbol you want to enter with the , then press  [Done].

EMOTICON MODE

Allows you to enter Emoticon.

1. Press  [Options], then select "Symbol." Press  [Emoticon].
2. Select the Emoticon you want to enter with the , then press  [Done].

MAKING A CALL THROUGH THE CONTACT LIST

ONE-TOUCH/TWO-TOUCH DIALING

Ideal for frequently dialed numbers, this feature allows entries in your contact list to be dialed via the keypad with only one or two key presses. In order for One-Touch/Two-Touch Dialing to properly work, it must be enabled. To activate this function, press  [Menu], , , then press  [Next]. Select Enable or Disable using the ,  then press . Press  [Close] to close.

ONE-TOUCH DIALING

2-9: Press and hold the corresponding memory number for more than 1 second.

TWO-TOUCH DIALING

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

Note

- If no phone number is stored in the location entered, "Location is empty" will appear on the screen.
- If One Touch Dial is set to Off:
Enter the speed dial location number then press .
- Location 1 is reserved for voicemail.
Location 2-99 are unassigned.
To assign a speed dial location, please see page 41.

Stores up to 500 entries, each of which can be assigned to a group. Entries can be retrieved by name or group.

ADD NEW ENTRY

Adds a new entry.

1. Press  [Menu], then press  "Contacts", then  "Add new Entry".
2. Fill in the fields as they are selected. Press  /  to select a field.

• **PHONE BOOK FIELDS:** Name/Mobile/Email/IM/URL/Group/Ringtone/Vibration/Msg Alert/Photo/Secret/Memo

3. To save the entry, press  [Save]. To return to the previous page, press .

See page 30 for more detailed information about storing a number.

CONTACTS

FIND

Retrieves an entry by name and calls the primary number by simply pressing . You can review all the entries stored in your contacts list or quickly find an entry by entering a name or its character string.

1. Press  [Menu], then press  "Contacts", then  "Find".
2. The list of names in your contacts is displayed alphabetically.
3. Enter a name or scroll through the list. If more than one contact is listed, highlight the contact you want.
4. To select the contact, highlight it and press . The contact information is displayed.
5. To edit the contact information, press  [Edit]. The Edit Contact screen will appear with the selected contact information shown. See page 30 for Storing a Phone Number.
6. To save the entry, press  [Save]. To return to the previous page, press .
7. Highlight a field in the contact and press  [Options] for various functions for the fields.
8. To call the selected number, press .

GROUP SETTINGS

Allows you to classify phone entries into groups. Existing groups include No Group, Family, Friends, Work. A maximum of 30 groups is allowed.

ADD NEW GROUP

1. Press  [Menu], then press  "CONTACTS".
2. Press  "Group settings".
3. Press  [Add] to add a new group name.
4. Input a new group name.
5. Press  [Save] to save the setting.

CHANGE GROUP NAME

1. Press  [Menu], then press  "CONTACTS".
2. Press  "Group settings".
3. Press  [Options], then scroll to Rename and press  .
4. Input a new group name.
5. Press  [Save] to save the setting.

CONTACTS

CHANGE RINGER

1. Press  [Menu], then press  "CONTACTS".
2. Press  "Group settings".
3. Select an existing group name.
4. Press  [Options], then scroll to Group ringtone and press  .
5. Press  [Play] to play ringtone.
Select ringtone and press  [Select].

ERASE GROUP

1. Press  [Menu], then press  "CONTACTS".
2. Press  "Group settings".
3. Select an existing group name.
4. Press  [Options], then scroll to Erase and press  .
5. "Erase?" will be displayed. Select Yes and press  to erase the group.

SPEED DIALS

In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the location number on the key pad.

For a 2-digit location number, press the first number, then press and hold the second number.

Note

- Speed Dial must be activated.

1. Press  [Menu], select  "Contacts", then  "Speed dial".
2. To assign a phone number to a location, select the location then press  [Assign].

Note

- "Unassigned" appears if the location is available.

3. Highlight a name from your contact list. If the contact has more than 1 number saved, press  /  until the correct number for the speed dial location is shown.
4. Press  [Done] to save the number to the speed dial location. You will see the contact name next to the speed dial location number in the speed dial list.

CONTACTS

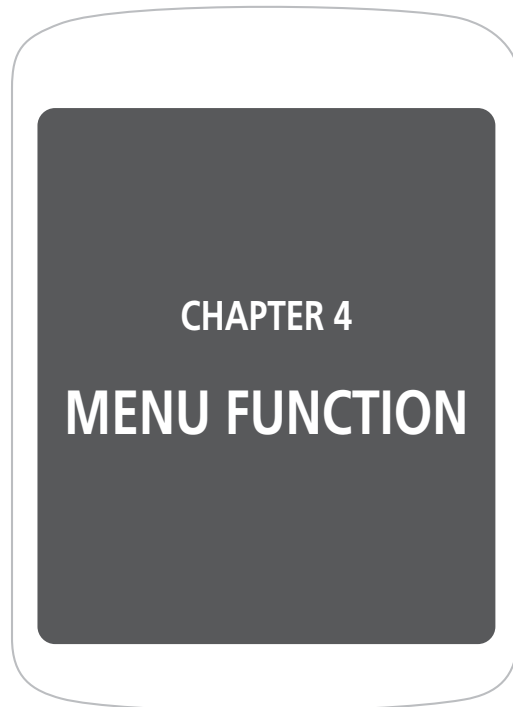
MY PHONE NUMBER

Displays your phone number.

1. Press  [Menu], then press  "Contacts".
2. Press  "My Phone Number". Your phone number will be displayed.

CHAPTER 4

MENU FUNCTION



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

Recent Calls
Settings

RECENT CALLS

INCOMING CALLS

Displays information about the last 25 entries in each call list. Place a call to a selected number by pressing .

1. Press  [Menu], then press  for the "Recent calls" menu. Press  "Incoming calls". If the number is already stored in your contact list, only the name appears. If the number is not stored, the number appears.

2. To view details, press .

Note

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

3. Press  [Options] to "Send txt msg", "Save", "Prepend", "Erase", or "Erase all".

- **Send txt msg:** Send a text message to the contact.
- **Save:** Save the phone number in your phonebook.
- **Prepend:** Adds numbers to the beginning of the phone number.
- **Erase:** To erase incoming call list.
- **Erase all:** To erase all incoming calls list.

Note

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

OUTGOING CALLS

Displays information about the 90 most recently dialed numbers. Place a call to a outgoing call by simply pressing .

1. Press  [Menu], then press  for the "Recent calls" menu. Press , "Outgoing calls". If the number is already stored in your contact list, only the name appears. If the number is not stored, the number appears.
2. To view dialed call details, press .

Note

- Call details include date, time and phone number.

3. Press  [Options] to "Send txt msg", "Save", "Prepend", "Erase", or "Erase all".

- **Send txt msg:** Send a text message to the contact.
- **Save:** Save the phone number in your phonebook.
- **Prepend:** Adds numbers to the beginning of the phone number.
- **Erase:** To erase incoming call list.
- **Erase all:** To erase all incoming calls list.

Note

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

RECENT CALLS

MISSED CALLS

Displays information about the 90 most recent missed calls.

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

1. Press  [Menu], then press  for the "Recent calls" menu. Press  "Missed calls". If the number is already stored in your contact list, only the name appears. If the number is not stored, the phone number appears.
2. To view missed call details, press .

Note

- Call details include date, time and phone number.

3. Press  [Options] to "Send txt msg", "Save", "Prepend", "Erase", or "Erase all".

- **Send txt msg:** Send a text message to the contact.
- **Save:** Save the phone number in your phonebook.
- **Prepend:** Adds numbers to the beginning of the phone number.
- **Erase:** To erase incoming call list.
- **Erase all:** To erase all incoming calls list.

Note

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

RECENT CALLS

Displays information about the 60 most recent incoming, outgoing or missed calls.

1. Press  [Menu], then press  for the "Recent calls" menu. Press  "Recent call". If the number is already stored in your contact list, only the name appears. If the number is not stored, the number appears.
2. To view dialed call details, press .

Note

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

3. Press  [Options] to "Send txt msg", "Save", "Prepend", "Erase", or "Erase all".

- **Send txt msg:** Send a text message to the contact.
- **Save:** Save the phone number in your phonebook.
- **Prepend:** Adds numbers to the beginning of the phone number.
- **Erase:** To erase incoming call list.
- **Erase all:** To erase all incoming calls list.

Note

- After 270 incoming calls, outgoing call, missed call the oldest call will automatically be erased from the history.

RECENT CALLS

CALL TIMER

Checks the usage time and manages your calls within the limit you set. The 11 timers include (Last Call, All Calls, Incoming Calls, Outgoing Calls, Roaming Calls, Transmit KB, Received KB, Total KB, Last Reset, Lifetime Calls, Lifetime Data Counter):

1. Press  [Menu], then press  for the "Recent calls" menu. Press  "Call timer".
2. Press  /  to view the different timers. Press  [Reset All] to Reset all call times.
3. To return to the previous page, press .

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

SOUND SETTINGS

RINGER TYPE

To select a ringer type for:

Voice calls

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Ringer type".
2. Select "With Caller ID" or "No Caller ID" then press  .
 - **With Caller ID:** Set ringtone for any incoming call from a saved contact phone number, unless the contact was saved with a specific ringtone.
 - **No Caller ID:** Set ringtone for any incoming call from someone not saved to your contact list.
3. Select your desired ringers from the list by pressing the  /  .
To hear a ringtone that is highlighted, press  [Play].
4. To save the selected ringtone, press  [Select] to save the setting.

SETTINGS

VOLUME

Control the volume for Ringtone, Speakerphone, Headset, and Advanced settings.

Ringer

To set ringer volume and incoming call alert options:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Ringer".
3. Press  /  to adjust the volume level. Press  to select Always Vibrate.

The volume settings available are:

- **Silence All:** All sounds are off.
- **Vibrate All:** Phone will vibrate to alert you of incoming call or message.
- **Ringtone mode:** 1~5.

4. Press  [Save] to save the setting.

Receiver

To adjust the receiver volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Receiver".
3. Press  /  to adjust the volume level.

The volume settings available are:

- **Ringtone mode:** 1~5.

4. Press  [Save] to save the setting.

Speakerphone

To adjust the speakerphone volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Speakerphone".
3. Press  /  to adjust the volume level.

The volume settings available are:

- **Ringtone mode:** 1~5.

4. Press  [Save] to save the setting.

Headset

To adjust the headset volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Headset".
3. Press  /  to adjust the volume level.

The volume settings available are:

- **Ringtone mode:** 1~5.

4. Press  [Save] to save the setting.

SETTINGS

Key tone

To adjust the Key Tone volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Key tone".
3. Press  /  to adjust the volume level.

The volume settings available are:

- **Ringtone mode:** 0~5.

4. Press  [Save] to save the setting.

Applications

To adjust the Applications volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Applications".
3. Highlight "Use ringer" or "Separate" and press  to select.
If Separate is selected, press  to highlight the volume level.
Press  /  to adjust the volume level.

This setting controls the volume of the applications.

- **Use ringtone vol.:** Plays the application at the same volume as the voice ringtone and allows the side volume keys to change the application volume at the same time as the voice ringtone.
- **Use separate vol.:** Plays the application at the selected volume level. Alerts will always play at this level unless the ringtone volume is set to "Silence all" or "Vibrate".

4. Press  [Save] to save the setting.

Others

Messaging

To adjust the message alert volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Others", then press  "Messaging".
3. Highlight "Use ringer" or "Separate" and press  to select.
If Separate is selected, press  to highlight the volume level.
Press  /  to adjust the volume level.

This setting controls the volume of the applications.

- **Use ringtone vol.:** Plays the application at the same volume as the voice ringtone and allows the side volume keys to change the application volume at the same time as the voice ringtone.
- **Use separate vol.:** Plays the application at the selected volume level. Alerts will always play at this level unless the ringtone volume is set to "Silence all" or "Vibrate".

4. Press  [Save] to save the setting.

SETTINGS

Voicemail

To adjust the voicemail alert volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Others", then press  "Voicemail".
3. Highlight "Use ringer" or "Separate" and press  to select.
If Separate is selected, press  to highlight the volume level.
Press  /  to adjust the volume level.

This setting controls the volume of the applications.

- **Use ringtone vol.:** Plays the application at the same volume as the voice ringtone and allows the side volume keys to change the application volume at the same time as the voice ringtone.
- **Use separate vol.:** Plays the application at the selected volume level. Alerts will always play at this level unless the ringtone volume is set to "Silence all" or "Vibrate".

4. Press  [Save] to save the setting.

Alarm & Scheduler

To adjust the alarm & Scheduler volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Others", then press  "Voicemail".
3. Highlight "Use ringer" or "Separate" and press  to select.
If Separate is selected, press  to highlight the volume level.
Press  /  to adjust the volume level.

This setting controls the volume of the applications.

- **Use ringtone vol.:** Plays the application at the same volume as the voice ringtone and allows the side volume keys to change the application volume at the same time as the voice ringtone.
- **Use separate vol.:** Plays the application at the selected volume level. Alerts will always play at this level unless the ringtone volume is set to "Silence all" or "Vibrate".

4. Press  [Save] to save the setting.

SETTINGS

Power On/Off

To adjust the Power On/Off volume:

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Volume".
2. Press  "Others", then press  "Power On/Off".
3. Highlight "Use ringer" or "Separate" and press  to select.
If Separate is selected, press  to highlight the volume level.
Press  /  to adjust the volume level.

This setting controls the volume of the applications.

- **Use ringtone vol.:** Plays the application at the same volume as the voice ringtone and allows the side volume keys to change the application volume at the same time as the voice ringtone.
- **Use separate vol.:** Plays the application at the selected volume level. Alerts will always play at this level unless the ringtone volume is set to "Silence all" or "Vibrate".

4. Press  [Save] to save the setting.

ALERT

This feature allows you to set additional phone alerts.

Minute Minder

This alert notifies you every minute that you have been on a call.

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Alert".
2. Press  "Minute minder".
3. Highlight "On" or "Off" then press  [Select] to save the setting.

Connect Tone

This alert notifies you that a call has been successfully placed.

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Alert".
2. Press  "Connect tone".
3. Highlight "On" or "Off" then press  [Select] to save the setting.

Service Tone

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Alert".
2. Press  "Service tone".
3. Highlight "On" or "Off" then press  [Select] to save the setting.

SETTINGS

Service Tone

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Alert".
2. Press  "Fade tone".
3. Highlight "On" or "Off" then press  [Select] to save the setting.

tone LENGTH

Adjusts key pad tone length.

1. Press  [Menu], then press  "SETTINGS".
Press  "Sound", then press  "Tone length".
2. Highlight "On" or "Off" then press  [Select] to save the setting.

DISPLAY SETTINGS

This set of features allows you to customize your display.

GRAPHICS

Select an image for your idle display.

Wallpaper

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Graphics".
2. Press  "Wallpaper".
3. Select "My graphics" or "My pictures".
4. Press  /  to scroll through the images.
5. Press  [Open], press  [Select] to save the setting.

Clock and Calendar

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Graphics".
2. Press  "Clock and Calendar".

Clock types:

- **Digital Clock:** Shows date and time in written format.
- **Calendar:** Shows the current month's calendar.
- **Dual time:** Shows Digital at top of display and selected city with its Digital date and time at bottom of display. Press  [City] to select a city.
- **Analog Clock:** Shows time in a standard clock format.

3. Press  [Select] to save the setting.

SETTINGS

Screen Saver

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Graphics".
2. Press  "Screen Saver".

- **Time:** Select 5, 10, 15, 20 secs or screen saver off.
- **My Graphics:** Press  /  to scroll through the images in my graphics.
- **My Pictures:** Press  /  to scroll through the images in my pictures.

3. Press  [Select] to save the setting.

INCOMING CALLS

To Select an image for Incoming Calls.

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Incoming calls".
2. Press  /  to scroll through the images.
3. Press  [Select] to save the setting.

MENU STYLE

Select how the phone menu will display.

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Menu Style".
2. Highlight "Grid" or "List" then press  [Select] to save the setting.

GREETING

The greeting is your personal label for your phone. It appears on the main screen along the bottom of the display.

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Greeting".
2. Highlight "On" or "Off".
3. If select On, the current greeting text is displayed.
Press  to delete the greeting, then enter your new greeting.
Press  [Options] to change the input mode.
4. Press  [Select] to save the greeting.

BACKLIGHT

Turn on the backlight on the display and keypad for easy viewing in dark places.

Main Display

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Backlight".
2. Press  "Main display".
3. Highlight one of the following options by pressing  / .

• 5 seconds, 10 seconds, 20 seconds, Always On, Always Dim.

4. Press  [Select] to save the setting.

SETTINGS

Keypad

1. Press  [Menu], then press  "SETTINGS".
Press  "Display", then press  "Backlight".
2. Press  "Keypad".
3. Highlight one of the following options by pressing  /  .
 - 5 seconds, 10 seconds, 20 seconds, Always Off.
4. Press  [Select] to save the setting.

MESSAGING

This feature enables you to manage your text message settings.

SOUND

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Sound".
3. Select "Text messaging", "Picture messaging" or "Voicemail".

- **My Ringtones:** Select Normal Ringer, Funky, Hip-Hop, Pop, Rock, Guided By, La La Lah, Pick Up The Phone, SMS Alert, Voicemail Alert or WAP push.
- **Vibration:** Select Vibration 1~6.

4. Press  [Select] to save the setting.

REMINDER

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Reminder".
3. Highlight "On" or "Off", then press  [Select] to save the setting.

SETTINGS

AUTO TEXT

To edit the Auto Text message you have saved.

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Auto text".
3. Highlight a message from the list. To add a new Quick Text message, press  [Add New].
4. To edit the Quick Text message you have selected, press  .
Press  to delete any characters you don't want then enter your text. Press  [Save] to save the text and return to the Auto Text list.

TEXT ENTRY

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Text entry".
3. Highlight "T9 Word" or "Alphabet", then press  [Select] to save the setting.

GROUP

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Group".
3. To add a new Group, press  [Add].

SIGNATURE

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

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Signature".
3. Highlight "On" or "Off", then press  [Select] to save the setting.

SAVE TO SENT BOX

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Save to sent box".
3. Highlight "Auto", "Off" or "User confirmation" then press [Select] to save the setting.

AUTO ERASE

Automatically erases messages when new messages arrive.

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Auto Erase".
3. Highlight "Yes" or "No" then press  [Select] to save the setting.

SETTINGS

NOTIFICATION

Automatically erases messages when new messages arrive.

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Notification".
3. Highlight "Icon & Message" or "Icon Only" then press  [Select] to save the setting.

CALLBACK NUMBER

Automatically erases messages when new messages arrive.

1. Press  [Menu], then press  "SETTINGS".
Press  "Messaging".
2. Press  "Callback number".
3. Highlight one of the following options then press  [Select] to save the setting.

- **My Number:** Your phone's number will be sent.
- **Other Number:** Input another phone number to be sent.
- **None:** No callback number will be sent.

BLUETOOTH

MY DEVICE

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Bluetooth".
2. Press  "My device".

Press  [Options] to choose from:

- **Add New:** Searches for Bluetooth devices in possible range.
- **Assign Short Name:** To assign short name.
- **Device Info:** Displays information about a Bluetooth device.
- **Erase:** To erase a selected bluetooth device.
- **Erase All:** To erase all bluetooth devices.

SETTINGS

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Bluetooth".
2. Press  "Settings".

- **Set Bluetooth:** Turn Bluetooth on or off.
- **Handset's Visibility:** Select "Hidden" or "Shown to all".
- **Handset's Name:** Edit the name of the device.

3. Press  [Save] to save the settings.

SETTINGS

SUPPORT SERVICE

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Bluetooth".
2. Press  "Support service".

- **Hand free service:** This is used to allow car hands-free kits to communicate with mobile phones in the car. In the car, the stereo is used for the phone audio and a microphone is installed in the car for sending outgoing audio.
- **Headset service:** This is providing support for the popular bluetooth headsets to be used with mobile phones. When connected and configured, the headset can act as the remote device a audio input and output interface.

INFORMATION

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Bluetooth".
2. Press  "Information".
3. View information.(Name, Address). To return preview page, press  [Close].

SECURITY

Use these settings to prevent unauthorized use of your phone.

HANDSET LOCK

Turn on the lock to prevent the phone from being used without entering the password first.

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Handset lock".
3. Highlight "Off", "When switch on", or "Immediately" then press  [Select] to save the setting.

KEY LOCK

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Key lock".
3. Highlight "Off", "20sec", "30sec", "1min" or "3min" then press  [Select] to save the setting.

SETTINGS

SPECIAL NUMBER

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Special number".
3. Select a location and press  [Add].
4. Enter the phone number and press  [Done] to save it to that location.

CHANGE LOCK CODE

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Change lock code".
3. Enter your lock code then enter your new lock code. Enter your new lock code again.

ERASE DATA

Erase all data in your phone.

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Erase Data".
3. Select "Erase Contacts", "Erase downloads", "Erase voice memo", "Erase pictures", and "Erase message".
4. A warning message stating that this function will delete all contacts in your contact list is displayed.
5. Select "Yes" then press  to erase data in your phone.

RESET BROWSER

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Reset Browser".
3. Select "Yes" then press  to erase data in your phone.

SETTINGS

DEFAULT SETTINGS

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Default Settings".
3. A warning message stating that this function will delete all contacts in your contact list is displayed.
4. Select "Yes" then press  to erase data in your phone.

RESET HANDSET

1. Press  [Menu], then press  "Settings".
Press  "Security". Enter your password.

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

2. Press  "Reset handset".
3. A warning message stating that this function will delete all contacts in your contact list is displayed.
4. Select "Yes" then press  to erase data in your phone.

LOCATION

Your telephone is equipped with a Location feature for use in connection with location-based services that may be available in the future.

The Location Feature allows the network to detect your position.

Turning Location Off will hide your location from everyone except 911.

1. Press  [Menu], then press  "Settings".
Press  "Location".

- Turning location on will allow the network to detect your position using GPS technology, making some Virgin Mobile applications and services easier to use. Turning location off will disable the GPS location function for all purposes except 911, but will not hide your general location based on the cell site serving your call. No application or services may use your location without your express permission. GPS enhanced 911 is not available in all areas.

2. Press  [Next]. Highlight "Enable" or "Disable", then press  [Select] to select it.

- **Enable:** Turning location "Enable" lets the network detect your whereabouts using GPS.
- **Disable:** Turning location "Disable" disables GPS- except for 911- but cell tower technology may still used to detect your whereabouts for some features and basic telephone service.

SETTINGS

CALL SETTINGS

ANSWER MODE

This feature allows you to select the answer mode.

1. Press  [Menu], then press  for the "Settings" menu. Press  "Call settings", then  "Answer Mode".
2. Highlight "Talk key only" or "Any key", then press  [Select] to save the setting.

- **Talk Key Only:** Press only  to answer a call.
- **Any Key:** Press any key to answer an incoming call.e.

AUTO ANSWER

This features allows you to set the phone to answer automatically when you're using a hands-free headset.

1. Press  [Menu], then press  for the "Settings" menu. Press  "Call settings", then  "Auto answer".
2. Highlight "Off", "5 sec", "10 sec", or "15 sec" then press  [Select] to save the setting.

OTHERS

TTY

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

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "TTY".

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

2. Press  [Next]. Highlight "Enable" or "Disable", Press  then  [Close] to save the setting.

ABBREV. DIAL

This function allows you to dial just the last 4 digits of phone number, instead of all the digits. If you have several phones numbers that start with the same digits, you can enter the beginning numbers here so when you dial the phone, all you enter is the last 4 digits.

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "Abbrev. Dial".
2. Select "On" or "Off", then press  [Select] to save the setting.
3. If On is selected, a blank screen will appear. Enter the digits that are common to several phone numbers you dial and press .

- You have 5 numbers you dial often that all begin with (516) 123. In the blank screen that appears when you select "Enable", type in 516123.
- When you need to dial (516) 123-6652, simply press 6652 . Your phone will show it is dialing (516) 123-6652.

SETTINGS

CONTACTS MATCH

This function will match your abbreviated dialed number with an entry from your phone's contact list. So when you dial the 4 digits, your phone will show the name of the contact you are dialing as well as the phone number.

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Others", then press  "Contacts Match".
2. Select "On" or "Off", then press  [Select] to save the setting.

TYPING MODE

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Others", then press  "Typeing mode".

- **Auto-capital:** Select "On" or "Off".
- **Auto-space:** Select "On" or "Off".
- **My words:** To add my words, Press [Add].
- **T9 settings:**
 - Prediction length: Select "3+letter words", "4+letter words", "5+letter words" or "6+letter words".
 - Next word prediction: Select "On" or "Off".
 - Word completion: Select "On" or "Off".
 - Word choice list: Select "On" or "Off".
- **Help**

VR COMMAND

VR Results

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "Voice Command".
2. Press  "VR Results".
3. Select "One" or "Three Best", then press . Press  [Close] to save the setting.

Train Voice

Train Voice is the process of optimizing the voice recognition software to your voice. Train Voice requires that you make recordings of your voice, which are then used to customize the voice recognition system. This will take a few minutes and you should be in a quiet environment for optimum training.

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "Voice Command".
2. Press  "VR Results".
3. Select "Train Words" or "Train Digits". You will be prompted to speak the words listed on the screen. Say each word as you are prompted.

SETTINGS

Prompts

The prompts settings, "Mode" or "Timeout", will allow you to set how you are notified by the voice command system and the duration in which you can respond. To access "Prompts:"

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "Voice Command".
2. Press  "Prompts".
3. Select "Mode" or "Timeout".

- **Mode:** Select "Prompt" or "Tones Only".
- **Timeout:** Select "5 sec" or "10 sec".

3. Press  , then press  [Close] to save the setting.

Number Format

The prompts settings, "Mode" or "Timeout", will allow you to set how you are notified by the voice command system and the duration in which you can respond. To access "Prompts:"

1. Press  [Menu], then press  for the "Settings" menu. Press  "Others", then press  "Voice Command".
2. Press  "Number Format".
3. Select "Accept Any" or "North America".
4. Press  , then press  [Close] to save the setting.

HANDSET INFO

Displays your phone's information:

MY MOBILE NUMBER

Displays your phone number.

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Handset info", then press  "My mobile number".
2. Your phone number is displayed.

VERSION

Displays your phone's software version.

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Handset info", then press  "Version".
2. Your phone's software version is displayed.

ICON GLOSSARY

Displays some of the indicator icons of your phone.

1. Press  [Menu], then press  for the "Settings" menu.
Press  "Handset info", then press  "Icon Glossary".
2. Your phone's indicator icons are displayed.

SETTINGS

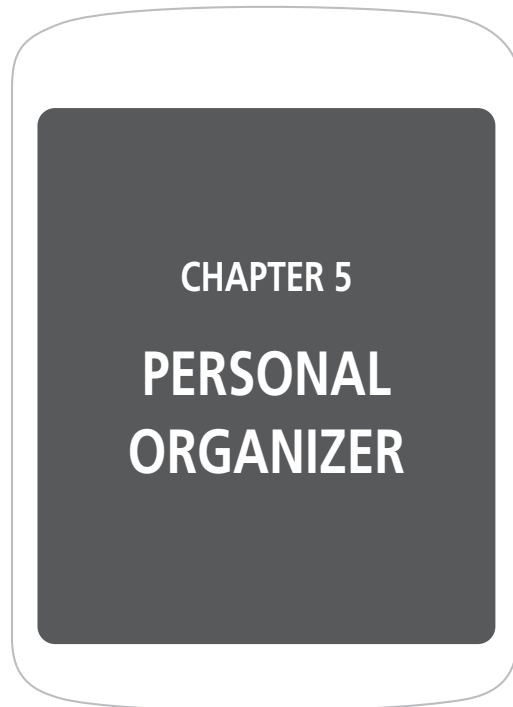
ADVANCED

Displays your phone's SID, Channel, Technology and Frequency information.

1. Press  [Menu], then press  for the "Settings" menu. Press  "Handset info", then press  "Advanced".
2. Your phone's SID, Channel, Technology and Frequency information is displayed.

CHAPTER 5

PERSONAL ORGANIZER



This section shows you how to use these features to turn your phone into a time management planner that helps you keep up with your contacts, schedules and appointments.

VOICE

VOICE MEMO

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

1. Press  [Menu], then press  for the "Tools". Press , "Voice". Press , "Voice memo".
2. To record a voice memo, select press  [Record].
3. To stop recording a voice memo, press  [Stop]. Stopping the recording will automatically save the entry. The list is sorted by dates of the voice memo list.
4. Press  [Options] to select one of the following options:

- **Play:** To play voice memo.
- **Rename:** To edit voice memo name.
- **Erase:** To delete a voice memo.
- **Erase All:** To delete all voice memo.

VOICE COMMAND

To activate voice recognition:

1. Press  [Menu], then press  for the "Tools". Press , "Voice". Press , "Voice Command".
2. When prompted, say one of the following commands:

- Call, Digit Dial, Voicemail, My Phone #, Status, Help.

Tip

- When it recognizes one of these commands, the phone launches the associated application. You may be asked to repeat a command if the command is not recognized by voice recognition.

3. To return to the previous page, press .

TIP CALCULATOR

1. Press  [Menu], then press  for the "Tools". Press  "Tip calculator".
2. Input numbers using your keypad, then press .
3. Input Rate numbers using your keypad. Press  for a decimal point.
4. Press  [Clear] for clear tip calculator. Press  to tip calculate the result.

CALCULATOR

1. Press  [Menu], then press  for the "Tools". Press  "Calculator".
2. Enter numbers using your keypad, and use the following keys to enter mathematical functions:

- Press  for Multiplication (x).
- Press  for Division (÷).
- Press  for Subtraction (-).
- Press  for Addition (+).
- Press  for a decimal point.
- Press  [AC] to clear all numbers.
- Press  to change a number from positive (+) to negative (-).

3. Press  to calculate the result.

ALARM CLOCK

1. Press  [Menu], then press  for the "Tools". Press  "Alarm Clock".
2. Select Alarm 1, 2 or 3 to set a new alarm.
3. The setting field will be highlighted. Press  to select alarm options.

- **Set:** Press  /  to select alarm on or off.
- **Time:** Use the keypad to set a time for the alarm and  to select "AM" or "PM".
- **Repeat:** Press  /  to select Daily/Once/Mon to Fri/Sat to Sun.
- **Snooze:** Press  /  to select 5Min/10Min/15Min/20Min.
- **Ring Type:** Select a ringtone for the alarm sound.

4. To save an alarm setting press  [Save].

SCHEDULER

ADD NEW EVENT

1. Press  [Menu], then press  "Tools". Press  "Scheduler".
2. Press  to choose a date in the calendar. Press  [Add] to add an event to the calendar.
3. The Schedule screen will be displayed. When the Title field is highlighted, enter the event title. Then press  [Save]. Press  to move to the next fields. Edit the start date by pressing  /  to the number and press the digit key you want. Press  to move to the next fields. Edit the start time by pressing  /  to the number and press the digit key you want. Press  for "AM" or "PM". Press  to move to the next fields. Edit the end date by pressing  /  to the number and press the digit key you want. Press  to move to the next fields. Edit the end time by pressing  /  to the number and press the digit key you want. Press  for "AM" or "PM". Press  to move to the next fields. In the Contents field, enter any notes or message for the event, then press  [Save] to go back to the Scheduler screen. Press  to move to the next fields. In the Notice field, press  /  to select On Time, Before 10 min, Before 20min, Before 1 hour or Before one day. Press  to move to the next fields. In the Snooze field, press  /  to select 5Min, 10Min, 15Min, or 20Min. Press to move to the next fields.

TOOLS

In the Ring Type field, highlight the ringtone you want and press  [Select].

4. Press  [Save] to save the event.
5. The date of the event will be marked on your calendar.

MEMO PAD

To access the calculator:

1. Press  [Menu], then press  for the "Tools". Press  "Memo Pad".
2. To input a memo, select press  [Add].
3. Press  [Save] to save the memo.

STOPWATCH

You can simultaneously time up to 10 different events.

1. Press  [Menu], then press  for the "Tools". Press  "Stopwatch".
2. To measure a time period:

- To start, press  [Start].
- To stop the timing, press  [Stop]. To continue timing, press  [Cont.].
- Press  [Check] to save the time at one instance. You can show up to 10 times.
- To reset it, press  [Reset].

WORLD CLOCK

1. Press  [Menu], then press  for the "Tools".
Press  "World clock".
2. Press  /  to scroll through the different cities.

- **DST:** Specifies whether the current time of the selected place is adjusted to daylight saving time.
- **Dual:** To set dual time.

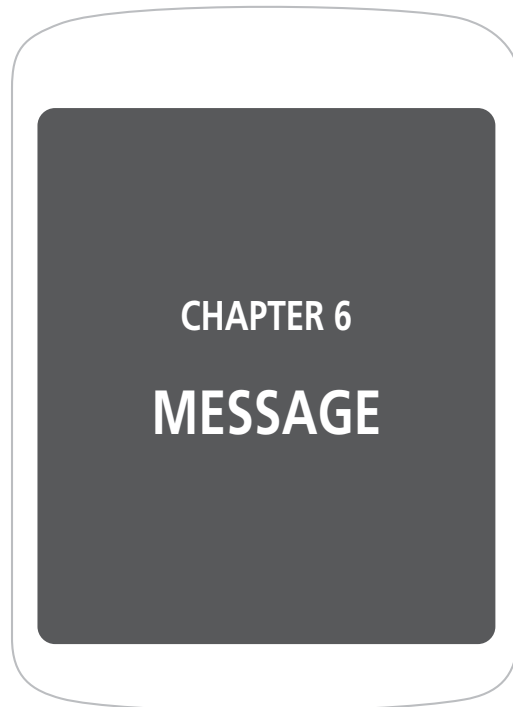
MEMORY MANAGER

1. Press  [Menu], then press  for the "Tools".
Press  "Memory manager".
2. View total, used, free memory information.

MEMO

CHAPTER 6

MESSAGE



This chapter addresses voicemail and text messaging.

MESSAGE

SEND A TEXT MESSAGE

To send a new text message:

1. Press  [Menu], then press  "Messaging".
Press  "Send text msg".
2. Under "Send to", input the phone number or e-mail then press  [Next].

Press [Options] to choose from:

- **Contacts:** Look up a phone number from your contact list.
- **Recent List:** Look up a number from your recent message list.
- **Group:** Look up a phone number from your group list.

3. Under "Enter Msg", input your message, press  [Options] to edit.
4. To send the message, press  [Send].

SEND A PICTURE MESSAGE

To send a new picture message:

1. Press  [Menu], then press  "Messaging".
Press  "Send Pic msg".
2. Select picture in My pictures.
3. Under "Send to", input the phone number or e-mail then press  [Next].
4. Under "Subject", press  , input the subject then press  [Done].

5. Under "Message", press , input the subject then press  [Done].
6. Under "Picture", press , select picture in My pictures then press  [Select].
7. Under "Audio", press , select Voice memo then press  [Select].
8. To send the message, press  [Send].

SEND AN E-MAIL MESSAGE

To send a new e-mail message:

1. Press  [Menu], then press  "Messaging".
Press  "Send email msg".
2. Select an email provider, such as Yahoo!Mail or EarthLink .
3. Use your keypad to enter the required sign-in information for the selected provider, such as user name, email address, and password, and select Sign In. (Your mailbox for the selected provider will be displayed.)
 - The information required to sign in will vary depending on the email provider you are accessing.
4. Follow the onscreen instructions to read, reply to, compose, send, and manage emails in your account.

MESSAGE

SEND IM

To send a new instant message:

1. Press  [Menu], then press  "Messaging".
Press  "Send IM".
2. Select an email provider, such as AOL Instant Messenger or Yahoo! Messenger.
3. Use your keypad to enter the required sign-in information for the selected provider, such as user name and password, and select Sign In. (Your IM screen for the selected provider will be displayed.)

- The information required to sign in will vary depending on the instant messaging provider you are accessing.

INBOX

The Inbox manages messages you've received.

1. Press  [Menu], then press  "Messaging".
Press  "Inbox".
2. Select a message, then press . The message is displayed.
3. Press  [Option], then select one of the following options:

- **Call:** Place a call to the number the message was sent to.
- **Forward:** Send the message to another person.
- **Save:** Saves the message in the Saved folder.
- **Save contact:** Save the phone number in the contacts.
- **Erase:** Delete the messages
- **Cancel:** Cancel the message.

VIRGIN ALERTS

1. Press  [Menu], then press  "Messaging".
Press  "Virgin Alerts".
2. To select "GoTo", press .

SENT

The Sent folder manages the messages you've sent.

1. Press  [Menu], then press  "Messaging".
Press  "Sent".
2. Select a message, then press . The message is displayed.
3. Press  [Option], then select one of the following options:

- **Forward:** Send the message to another person.
- **Call:** Place a call to the number the message was sent to.
- **Lock/Unlock:** Lock/Unlock the message.
- **Compose New:** Compose new message.
- **Erase:** Delete the messages.
- **Erase All:** Delete the all messages.

MESSAGE

SAVED

The Saved folder manages the text messages you've saved.

1. Press  [Menu], then press  "Messaging".
Press  "Save".
2. Select a message, press  [Erase] then select "Yes." Press  to delete the messages from the saved folder.
3. Select a message, then press . The message is displayed.
4. Press  [Options], then select one of the following options:

- **Call:** Place a call to the number the message was sent to.
- **Forward:** Send the message to another person.
- **Save contact:** Save the phone number in the contacts.
- **Erase:** Delete the message.
- **Cancel:** Cancel the message.

VOICEMAIL

1. Press  [Menu], then press  "Messaging".
Press  "Voicemail".

- **Call voicemail:** Place a call to the number the voicemail was sent to.
- **Last voicemail detail:** View last voicemail information.
- **Clear voicemail icon:** Delete the voicemail icon.

ERASE MSGS

This feature allows you to erase text messages.

1. Press  [Menu], then press  "Messaging".
Press  "Erase msgs".
2. Select:
 1. Inbox
 2. Sent
 3. Saved
3. Select "Yes" and press  to delete the messages from the selected folder.

MSG SETTINGS

This feature enables you to manage your text message settings.

SOUND

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Sound".
3. Select "Text messaging", "Picture messaging" or "Voicemail".
4. Select "My ringtones" or "Vibration".

- **My ringtones:** Highlight a ringtone from the list. (Normal Ringer, Funky, Hip-Hop, Pop, Rock, Guided By, La La Lah, Pick Up the Phone, Funbeep, SMS Alert, Voicemail Alert, WAP Push, Use Phone Ring)
- **Vibration:** Highlight a vibration from the list. ((Vibration 1~6)

MESSAGE

4. Press  [Select] to save the setting.

REMINDER

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Reminder".
3. Select "On" or "Off".

AUTO TEXT

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Auto text".
3. Highlight a message from the list. To add a new Quick Text message, press  "Add New". To edit the Quick Text message you have selected, press  . Press to delete any characters you don't want then enter your text. Press  [Save] to save the text and return to the Auto Text list.
4. From the Auto Text list, press  [Options] to select one of the following:

- Send text msg
- Send pic msg
- Erase
- Erase all

TEXT ENTRY

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Text entry".
3. Highlight "T9 Word" or "Alphabet" then press  [Select] to save the setting.

GROUP

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Group".

SIGNATURE

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

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Signature".
3. Highlight "On" or "Off" then press  [Select] to save the setting.

MESSAGE

SAVE TO SENT BOX

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

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Save to sent box".
3. Highlight "Auto", "Off" or "User confirmation" then press  [Select] to save the setting.

AUTO ERASE

Automatically erases inbox messages when new messages arrived.

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Auto Erase".
3. Highlight "Yes" or "No" then press  [Select] to save the setting.

NOTIFICATION

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Notification".
3. Highlight "Icon & Message" or "Only Icon" then press  [Select] to save the setting.

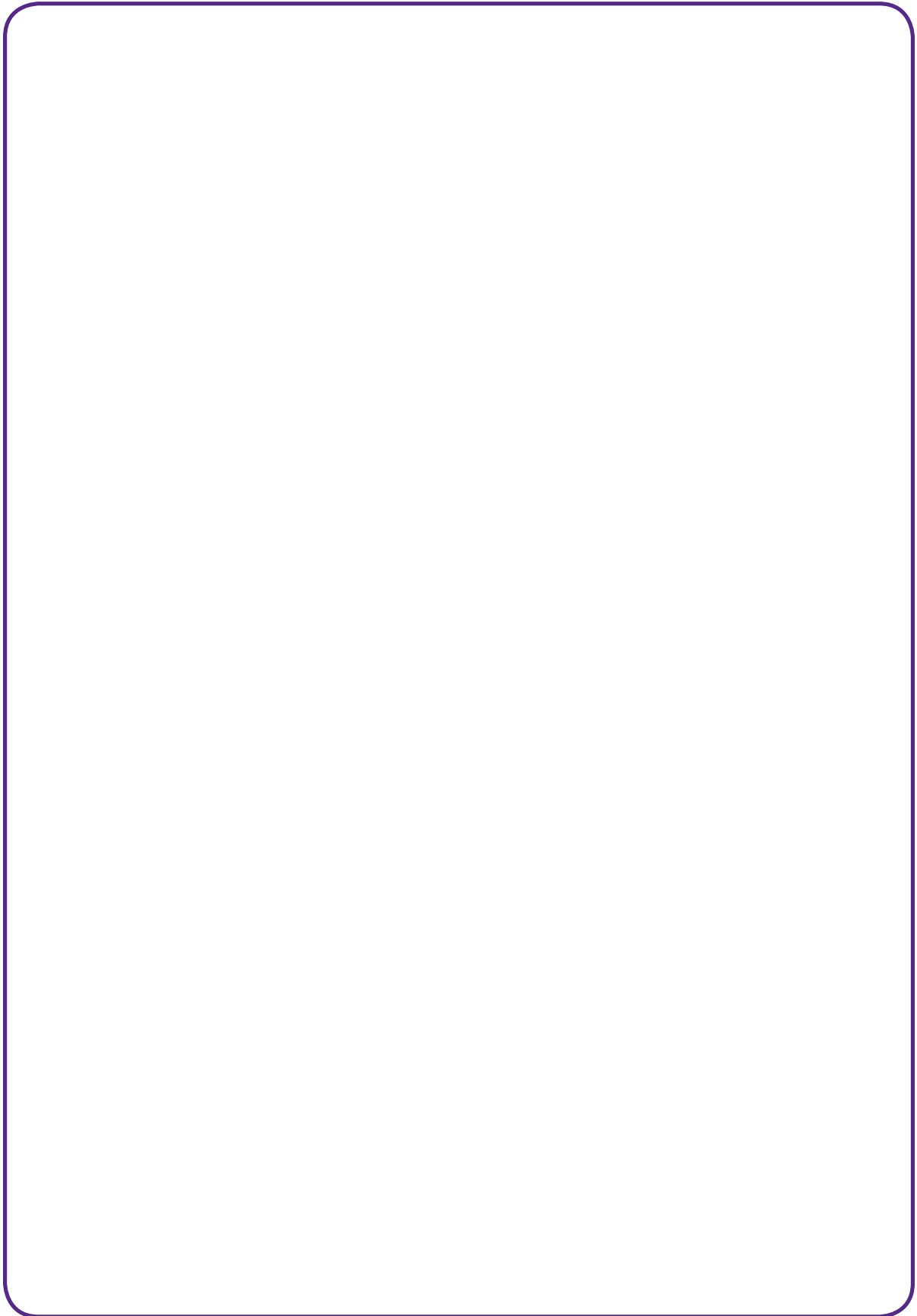
CALLBACK NUMBER

Allows you to input a specific call back number. Call back numbers are used in text messaging so the other party knows how to get back to you.

1. Press  [Menu], then press  "Messaging".
Press  "Msg settings".
2. Press  "Notification".
3. Highlight one of the following options then press  [Select] to save the setting.

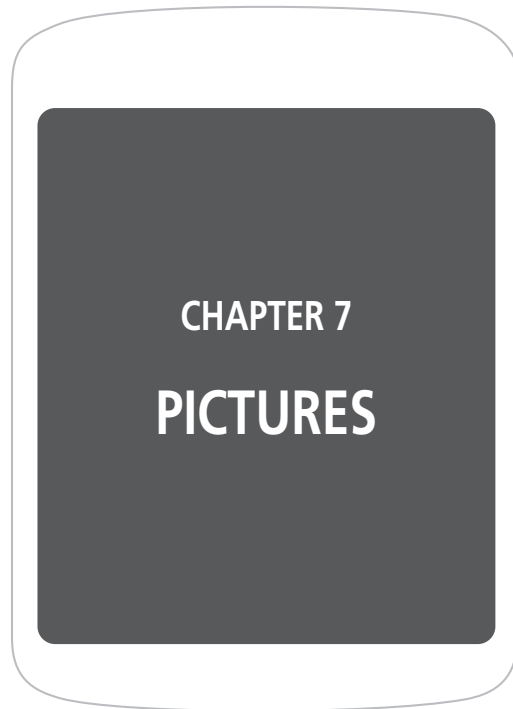
- **My Number:** Your phone's number will be sent.
- **Other Number:** Input another phone number to be sent.
- **None:** No callback number will be sent.

MEMO



CHAPTER 7

PICTURE



PICTURES

TAKE A PICTURE

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

1. Press  [Menu], then press  "Pictures".
Press  "Take a picture".
2. Using the phone 's Main LCD as a viewfinder,aim the camera lens at your subject.

Press  [Options] to choose from:

- **Self Timer:** To select self timer Off, 5sec or 10 sec.
- **Fun Frame:** Highlight a fun frame from the list.
- **Image Effect:** To select image effect Normal, Gray, Negative, Sepia, Emboss, Sketch.
- **Mirror:** To select mirror Vertical or Horizontal.
- **Settings:**
 - Resolution:** To select resolution 640x480, 320x240, 160x120 or Wallpaper.
 - Quality:** To select Quality Economy, Normal or Fine.
 - Shutter Sound:** To select shutter sound Default, Shutter 1 or shutter 2.

3. Press  , until the shutter sounds. Press  to send a picture message. To return to camera mode without saving the picture, press  .

Press  [Options] to choose from:

- **Assign:** To assign the selected picture to display for specific tasks:(Picture ID,Screensaver,Incoming Calls)
- **Upload to My Pix:** To upload the picture you just took to the picture messaging Web site ([www. plspictures.com](http://www.plspictures.com)).
- **My Pictures:** Move to my pictres folder.
- **Edit title:** To edit the selected picture's title.
- **Erase:** To delete the picture you just took.
- **Picture Info:** View picture information.(File Name, Time/Data, Resolution, Size, Quality, Assigned, Uploads.

SEND A PICTURE MESSAGE

To send a picture message.

1. Press  [Menu], then press  "Pictures".
Press  "Send pic msg".
2. Highlight a picture from the list then press  [Select].
3. Under "Send to", input the phone number or e-mail then press  [Next].
4. Under "Subject", press  , input the subject then press  [OK].
5. Under "Message", press  , input the subject then press  [OK].
6. Under "Picture", press  , select picture in My pictures then press  [Select].
7. Under "Audio", press  , select Voice memo then press  [Select].
8. To send the message, press  [Send].

PICTURES

MY PICTURES

1. Press  [Menu], then press  "Pictures".
Press  "My Pictures".
2. In Review Mode, you can view all the pictures you have taken and stored.
3. Select photo image with the Navigation Key then press  to view picture.

CAMERA SETTINGS

RESOLUTION

To adjust the size using resolution settings:

1. Press  [Menu], then press  "Pictures".
Press  "Settings".
2. Press  "Resolution".
3. Select "640x480", "320x240", "160x120" or "Wallpaper" then press  [Select] to save setting.

QUALITY

To select the quality of the picture:

1. Press  [Menu], then press  "Pictures".
Press  "Settings".
2. Press  "Quality".

PICTURES

3. Select "Economy", "Normal" or "Fine" then press  [Select] to save setting.

SHUTTER SOUND

To select shutter sound:

1. Press  [Menu], then press  "Pictures".
Press  "Settings".
2. Press  "Shutter sound".
3. Select "Default", "Shutter 1" or "Shutter 2" then press  [Select] to save setting.

HELP

View Resolution, Quality, Picture message informations.

RESOLUTION

1. Press  [Menu], then press  "Pictures".
Press  "Help".
2. Press  "Resolution".
3. To return to the previous page, press .

PICTURES

QUALITY

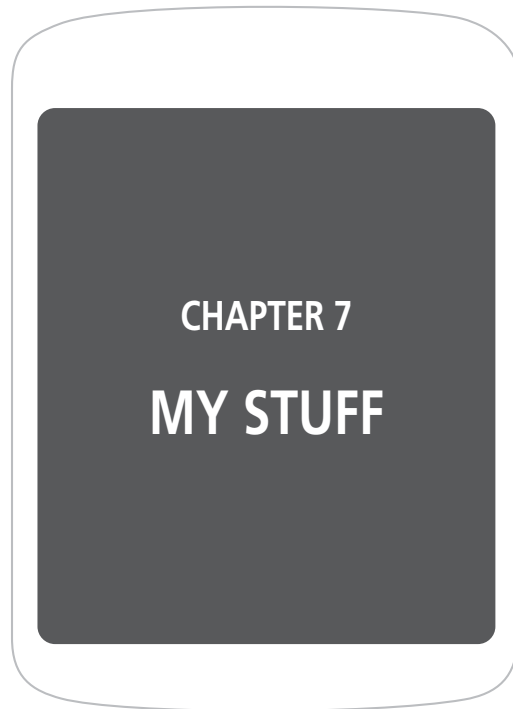
1. Press  [Menu], then press  "Pictures".
Press  "Help".
2. Press  "Quality".
3. To return to the previous page, press  .

PICTURE MESSAGE

1. Press  [Menu], then press  "Pictures".
Press  "Help".
2. Press  "Picture message".
3. To return to the previous page, press  .

CHAPTER 7

MY STUFF



MY STUFF

Anything you download from Web - games, ringtones, graphics, and applications - will be stored in the My Stuff folder. You can access these files from My Stuff.

MY RINGTONES

You can download the latest ringtones right to your phone. Charges apply. Visit www.virginmobileusa.com for details.

1. Press  [Menu], then press  "My stuff".
2. Press  "My ringtones".
3. Your list of ringtones is shown. Select "1. Get more ringtones" to download any additional ringtones to your phone. Web will launch and you will be taken to the download menu.
4. Download your ringtones. From the information page select "Buy".
5. A confirmation page will notify you that the ringtone has been purchased. To download the ringtone, select "Download".

MY GAMES

You can download the latest games and play them right on your phone. Charges apply. Visit www.virginmobileusa.com for details.

1. Press  [Menu], then press  "My stuff".
2. Press  "My games".
3. Your games list will be shown. Select "1. Get more games" to download additional games to your phone. Web will launch and you will be taken to the download menu.

4. Download your game. From the information page select "Buy".
5. A confirmation page will notify you that the game has been purchased. To download the game, select "Download".

MY OTHER STUFF

You can download other stuff right directly to your phone. Charges apply. Visit www.virginmobileusa.com for details.

1. Press  [Menu], then press  "My stuff".
2. Press  "My other stuff".
3. Select "1. Get more other stuff" to download additional screen saver to your phone. Web will launch and you will be taken to the download menu.
4. Download your other stuff. From the information page select "Buy".
5. A confirmation page will notify you that the application has been purchased. To download the screen savers, select "Download".

MY GRAPHICS

You can download a graphics right directly to your phone. Charges apply. Visit www.virginmobileusa.com for details.

1. Press  [Menu], then press  "My stuff".
2. Press  "My graphics".

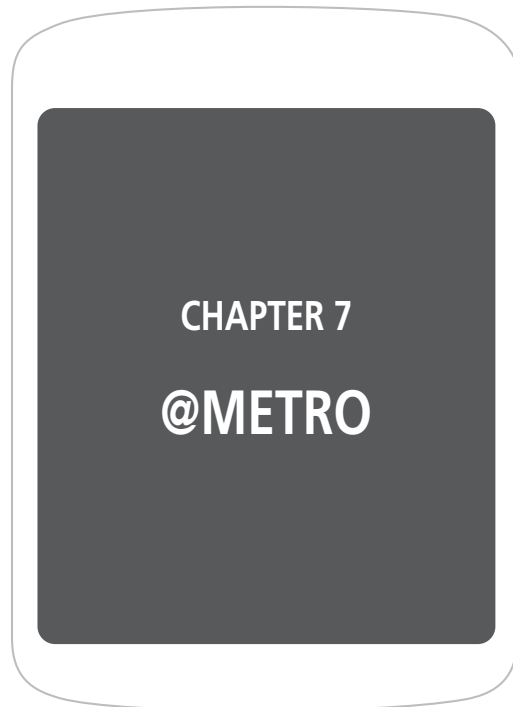
MY STUFF

3. Your screen saver list will be shown. Select "1. Get more graphics" to download additional screen savers to your phone. Web will launch and you will be taken to the download menu.
4. Download your graphics. From the information page select "Buy".
5. A confirmation page will notify you that the application has been purchased. To download the screen savers, select "Download".

MY SOUNDS

You can download a sounds right directly to your phone. Charges apply. Visit www.virginmobileusa.com for details.

1. Press  [Menu], then press  "My stuff".
2. Press  "My sounds".
3. Your screen saver list of sounds will be shown. Select "1. Get more sounds" to download additional screen saver sounds to your phone. Web will launch and you will be taken to the download menu.
4. Download your sounds. From the information page select "Buy".
5. A confirmation page will notify you that the application has been purchased. To download the screen savers sounds, select "Download".



Your phone provides a unique feature – @metro- that enables you to download melody ringers, wallpapers, games and more from the network to your phone.

@metro is a fun collection of features which you can access directly from your phone - download ringtones, games, graphics, and more. Charges apply.

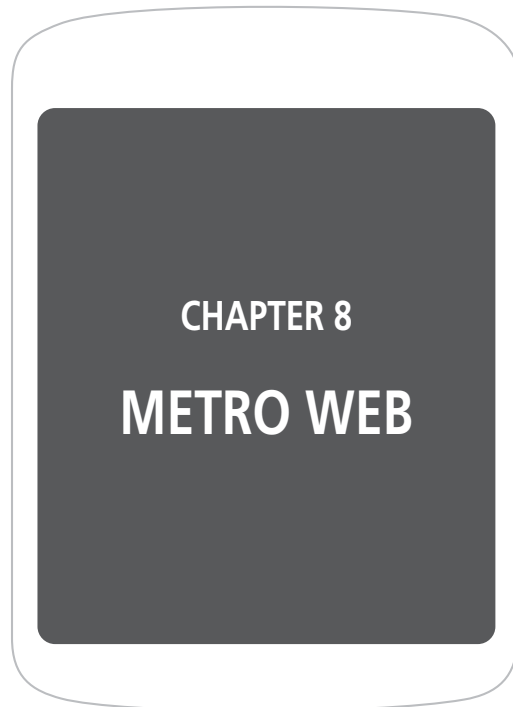
1. Press  [Menu], then press  for the "@metro" menu. Press , "@metro".
2. You will see 3 icons - @metro, Settings, Help. To download images, ringtones, games, etc., select @metro and press .

- **Settings:** Select to Manage Apps. or Erase Downloads.
- **Help:** Select to learn more about @metro and how to use it.

3. Select from "Catalog" and press . The server will launch. Browse through the catalog and press  to select an application and price plan. Then follow the prompts to download the application. Repeat this process for each additional application.

4. To exit @metro, press .

- Press  to access @metro menu from the standby screen.



This chapter addresses Internet services and web browsing.
For more detailed information contact your service provider.

STARTING INTERNET BROWSER
BROWSER MENU

LAUNCHING MOBILE WEB 2.0

Now you can access news, sports, weather, and e-mail from your phone. Mobile Web 2.0 keeps you updated by providing access to up-to-date information such as news, sports, weather and stock quotes when you subscribe to Internet service with your service provider. Please contact your service provider for a list of available websites and service details.

1. To start your Internet browser and access websites through your wireless handset press  .

BROWSER MENU

The browser menu lists the actions necessary to operate the browser. press  to launch Mobile Web, then press  [MENU].

VZW HOME

When the "VzW Home" item is selected from the Browser Menu, the phone displays the homepage.

1. To display the homepage, press  .

BACK

When the "Back" item is selected from the Browser Menu, the phone displays the previous page in the history.

1. To return to the previous page, press  .

FORWARD

When the "Forward" item is selected from the Browser Menu, the phone displays the next page in the history. This is only available if the user has navigated backward in the history.

1. To forward to the next page, press **3 DEF**.

REFRESH

Selecting the "Refresh" item from the Browser Menu refreshes the current page.

1. To select "Refresh", press **4 GHI**.

HISTORY

The history list is available from the Browser Menu and the user may delete all items from the history.

1. To select "History", press **5 JKL**.

ADDRESS

Selecting the "Address" item from the Browser Menu displays the URL of the current page.

1. To select "Address", press **6 MNO**.

CLEAR MEMORY

The user may clear cache, history, cookies and auto fill from the memory.

1. To clear browser memory, press **7 PQRS**.

SETTINGS

1. To select "Settings", press **8 TUV** .

- 1. Downloads:** Selecting the "Downloads" item allows the user to enable/disable downloading images, background sounds, and object downloads when a URL is accessed.
- 2. Restart Browser:** Selecting "Restart Browser" causes the history and cache to be cleared and returns the user to the homepage.
- 3. Scroll Mode:** Selecting "Scroll Mode" from the Settings menu allows the user to select the way text scrolls and the scroll speed.
- 4. Send Referrer:** When the "Send Referrer" item is selected from the Settings menu, the browser allows the user to turn on or off sending the referrer URL.
- 5. Key Press Timeout:** When the "Key Press Timeout" item is selected from the Settings menu, the browser allows the user to set the key press timeout as fast, medium or slow. Medium is 1.5 seconds, slow 2 seconds and fast is 1 second. The key press timeout is the period of time after which the cursor auto-advances to the next entry position. In most cases, a single key can be used to enter more than one character. Each time the key is pressed the last character of the line is replaced by the next choice for that key. As long as the same key is re-pressed within key press timeout, the last character cycles between all the choices for the key.
- 6. Connection Timeout:** When the Connection Timeout item is selected from the Settings menu, the browser allows the user to set the connection timeout. The connection timeout determines how long the browser will wait for a response from the network for a network request.

ADVANCED

Selecting the "Advanced" item in the Browser Menu displays the advanced menu items.

1. To select "Advanced", press .

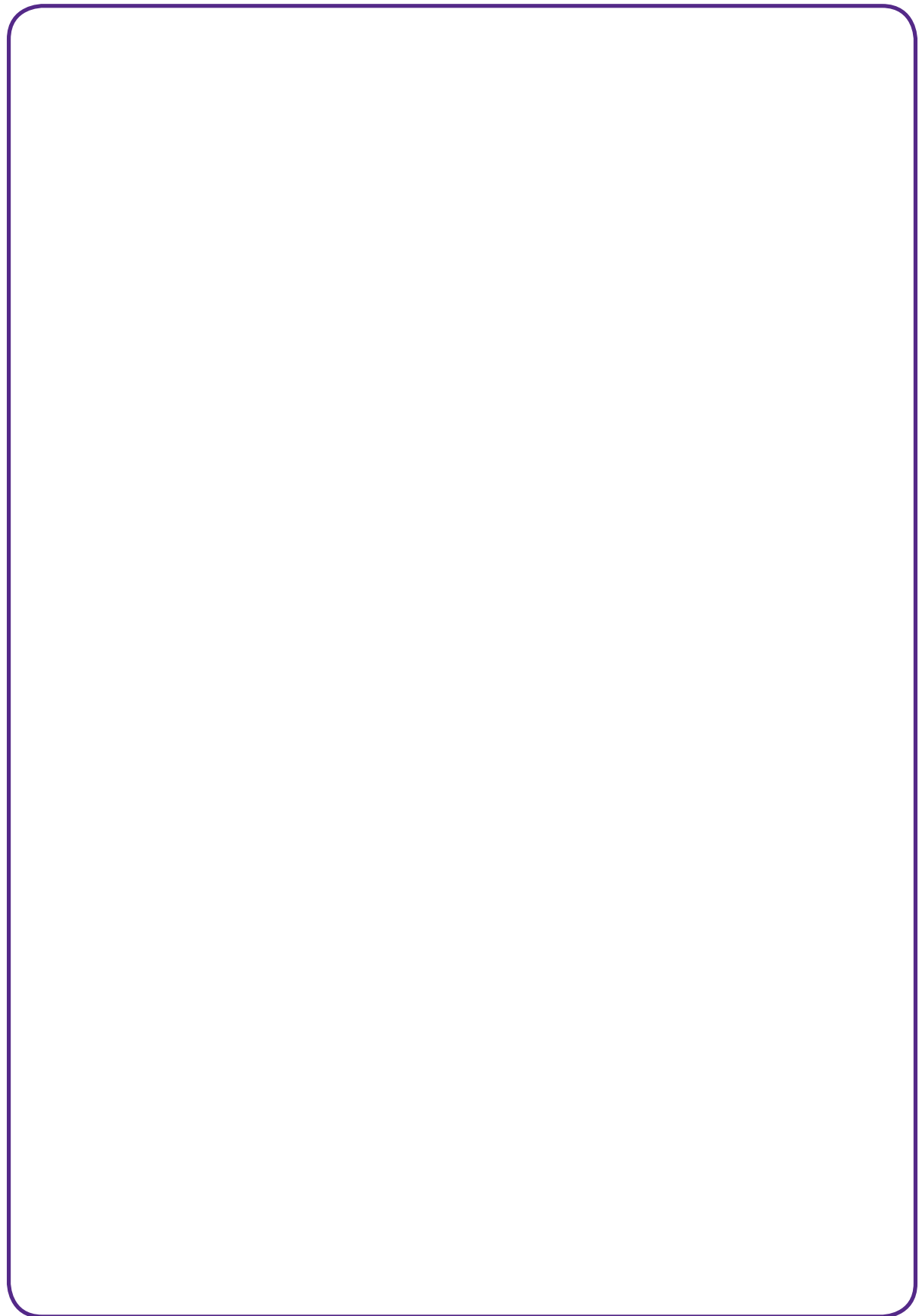
1. **About...:** When the "About" item is selected, information about the browser version, copyright information and certificate information is displayed.
2. **Encryption:** Selecting the "Encryption" item from the Advanced Menu enables the user access to Encryption features of the browser.
Authentication: The "Authentication" item in the Encryption menu allows the user to toggle authentication caching.
Root Certificate: The "Root Certificate" item in the Encryption menu allows the user to view the list of certificates
Current Certificate: The "Current Certificate" item in the Encryption menu allows the user to view the current certificate. This is only available if a secure connection is established.

EXIT

When the "Exit" item is selected from the Browser Menu, the user exits out of the browser and is returned to the phone idle mode.

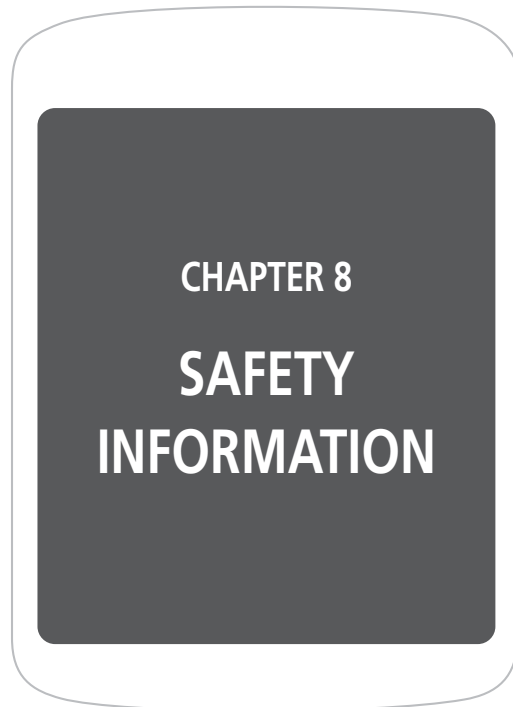
1. To exit browser, press .

MEMO



CHAPTER 8

SAFETY INFORMATION



Read this information before using your handheld
portable Cellular Telephone.

SAFETY
WARRANTY

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld Portable Cellular Telephone

DRIVING SAFETY

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

If you must use your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation and/or one-touch, speed dialing, and auto answer modes.
- Pull off the road and park before making or answering a call.

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

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

ELECTRONIC DEVICES

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

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Therefore, use of your phone must be restricted in certain situations.

PACEMAKERS

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

Never come closer than six (6) inches to a person with a heart pacemaker implant when using your phone. Doing so could result in interference with the function of the pacemaker.

Persons with pacemakers :

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

SAFETY

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

OTHER MEDICAL DEVICES

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

HOSPITALS AND HEALTH CARE FACILITIES

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

VEHICLES

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

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

AIRCRAFT

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft. Always request and obtain prior consent and approval of an authorized airline representative before using your phone aboard an aircraft. Always follow the instructions of the airline representative whenever using your phone aboard an aircraft, to prevent any possible interference with airborne electronic equipment.

BLASTING AREAS

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

POTENTIALLY EXPLOSIVE ATMOSPHERES

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

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

SAFETY INFORMATION FOR FCC RF EXPOSURE

Warning! Read this information before using your phone.

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

BODY-WORN OPERATION

This device was tested for body-worn operations with the back of the phone kept 2.0 cm from the body with a supplied metallic beltclip.

To maintain compliance with FCC RF exposure requirements, use only supplied metallic belt-clips that maintain a 2.0 cm separation distance between the user's body and the back of the phone, including the antenna. Third-party belt-clips, holster, and similar accessories containing metallic components should not be used. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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

SAR INFORMATION

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

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

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

SAFETY

The highest SAR value for this model phone when tested for use at the ear is 1.27W/Kg and when worn on the body, as described in this user guide, is 0.755W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on O6Y-CDM1450.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) website at <http://www.phonefacts.net>.

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



FDA CONSUMER UPDATE

U.S. Food and Drug Administration Cell Phone Facts Consumer Information on Wireless Phones

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

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

2. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the standby mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had

difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

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

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

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

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

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

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

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

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

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

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure.

Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

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

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

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

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

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

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

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

8. What about children using wireless phones?

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

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone

causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

9. Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

10. Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

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

Updated July 29, 2003

For more information, please visit the FDA website at <http://www.fda.gov/cellphones>.

EMERGENCY CALLS

Never rely solely upon your wireless phone for essential communications (e.g., medical emergencies), if it can be avoided, since a wireless phone requires a complex combination of radio signals, relay stations and landline networks for its operation. Consequently, emergency calls may not always be possible under all conditions on all wireless phone systems. Your wireless phone, however, may sometimes be the only available means of communication at the scene of an accident. When making an emergency call, always give the recipient all necessary information as accurately as possible. Never terminate an emergency call until you have received clearance to do so.

FCC ENHANCED 911 (E911) RULES

Background

The Federal Communications Commission (FCC) requires wireless carriers to transmit specific latitude and longitude location (Automatic Location Identification = ALI) information as well as "911" calls to Public Safety Answering Points (PSAPs) to identify the location of the caller in case of emergency.

Generally, the rules require that carriers identify an E911 caller's location within 50 meters of the actual location for 67 percent of calls and within 150 meters of the actual location for 95 percent of calls.

CDM1450's ALI Capability

The CDM1450 is an ALI-capable phone equipped with a GPS (Global Positioning System) receiver supporting a satellite-based GPS ALI-capable network to comply with the FCC's ALI requirements.

SAFETY

The network compliance with the above FCC requirements is dependent on: (a) the use of digital technology by the wireless network; (b) GPS satellite signals being able to reach the handset (such transmissions do not always work indoors, for example) ; and (c) handset signals reaching wireless "base stations" (atmospheric and environmental conditions may cause variations in handset receiving signal strength).

Also the transmission of the ALL information is subject, in part, to system constraints within the wireless network to which the E911 signal is transmitted and over which UT Starcom has no control.

Finally, customers are advised that the CDM1450's ALL capability is to be used for E911 purposes only.

This feature allows you to place an emergency call even if your phone is in "Phone Lock" or "Restrict" mode when you dial the preprogrammed emergency number, 911, #911, or *911. It also operates in out-of-service areas. The phone maintains the emergency mode until you press  after disconnecting an emergency call. In emergency call mode, the phone can receive an incoming call from any available system.

To call "911" in "Phone Lock" or "Restrict" mode.

1. Enter  ,  ,  .
2. Press  . "911" and "Emergency" will appear on the screen.

COMPLIANCE WITH OTHER FCC REGULATIONS

OPERATING PROCEDURES

Never violate any of the following Rules and Regulations of the FCC when using your Cellular Phone. Such violations are punishable by fine, imprisonment or both.

- Never use obscene, indecent, or profane language.
- Never use your Cellular Phone to send false distress calls.
- Never wiretap or otherwise intercept a phone call, unless you have first obtained the consent of the parties participating in the call.
- Never make any anonymous calls to annoy, harass, or molest other people.
- Never charge another account without authorization, to avoid payment for service.
- Never willfully or maliciously interfere with any other radio communications.
- Never refuse to yield the line when informed that it is needed for an Emergency Call. Also, never take over a line by stating falsely that it is needed for an emergency.

SAFETY

GENERAL SAFETY

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on the product, battery and adapter/charger.

Failure to follow the directions below could result in serious bodily injury and/or property damage due to battery liquid leakage, fire or rupture.

- DO NOT use or store this equipment in a place where it will be exposed to high temperatures, such as near an open flame or heat-emitting equipment.
- DO NOT drop your device or subject it to severe shock. When not using, lay down the unit to avoid possible damage due to instability.
- DO NOT expose this equipment to rain or spilled beverages.
- DO NOT use unauthorized accessories.
- DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized UTStarcom cellular service center. If unit is disassembled, the risk of electric shock or fire may result.

ANTENNA

ANTENNA SAFETY

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Please contact your local dealer for replacement antenna.

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

BATTERY

BATTERY SAFETY

Your device uses a removable and rechargeable lithium ion battery. Please contact customer service for assistance should you need a replacement battery.

DOs

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local regulations.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't expose the battery terminals to any other metal object (e.g., by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens). This can short circuit and critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

Lithium ion batteries are recyclable. When you replace your built-in battery, please request the repair center to recycle the battery in accordance with RBRC standards. When disposing of the battery by yourself, please call RBRC at (800) 822-8837 for proper disposal tips.

Never touch any fluid that might leak from the built-in battery. Such liquid when in contact with the eyes or skin, could cause injury to the skin or eyes. Should the liquid come into contact with the eyes, irrigate the eyes thoroughly with clean water and immediately seek medical attention. In the event the liquid comes into contact with the skin or clothing, wash it away immediately with clean water.

ADAPTER/CHARGER

CHARGER

The charger designed by UTStarcom for this unit requires the use of a standard 120 V AC power source for its operation.

- Never attempt to disassemble or repair a charger.
- Never use a charger if it has a damaged or worn power cord or plug.
Always contact a UTStarcom authorized service center, if repair or replacement is required.
- Never alter the AC cord or plug on your charger. If the plug will not fit into the available outlet, have a proper outlet installed by a qualified electrician.
- Never allow any liquids or water to spill on the charger when it is connected to an AC power source. Always use the authorized UTStarcom charger to avoid any risk of bodily injury or damage to your cellular phone or battery.
- Never attempt to connect or disconnect the charger with wet hands.
Always unplug the charger from the power source before attempting any cleaning. Always use a soft cloth dampened with water to clean the equipment, after it has been unplugged.

Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling. Always disconnect the charger from the power source when it is not in use.

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

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

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

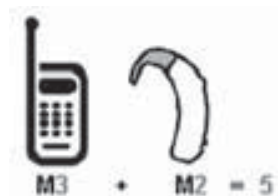
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box. The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

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

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together.

SAFETY

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use. In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.



For information about hearing aids and digital wireless phone:

- FCC Hearing Aid Compatibility and Volume Control
<http://www.fcc.gov/cgb/dro/hearing.html>
- Gallaudet University, RERC
<http://tap.gallaudet.edu/DigWireless.KS/DigWireless.htm>
- Self Help for Hard of Hearing People Inc. [SHHH]
www.hearingloss.org/hat/TipsWirelessPhones.htm
- The Hearing Aid Compatibility FCC Order
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-168A1.pdf

GAMES

SEIZURES/BLACKOUTS

Warning

A very small percentage of individuals may experience epileptic seizures when exposed to certain light patterns or flashing lights. Exposure to certain patterns or backgrounds on a computer screen, or while playing video games, may induce an epileptic seizure in these individuals. Certain conditions may induce previously undetected epileptic symptoms even in persons who have no history of prior seizures or epilepsy.

If you, or anyone in your family, have an epileptic condition, consult your physician prior to playing. If you experience any of the following symptoms while playing a video or computer game -- dizziness, altered vision, eye or muscle twitches, loss of awareness, disorientation, any involuntary movement, or convulsions -- IMMEDIATELY discontinue use and consult your physician before resuming play.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

SAFETY

RECYCLE YOUR CELL PHONE!

Carriers marketing this cell phone have an in-store phone take-back program. Consumers can drop off their used wireless devices to specified carrier retail outlets for recycling purposes. For a list of carrier members and collection sites, visit the cellular industry's recycling website www.recyclewirelessphones.com.

To mail in your old wireless device to UTStarcom Personal Communications for recycling purposes, simply package your old wireless device and any accessories (including discharged batteries) in appropriate shipping materials and mail to:
For Recycling UTStarcom Personal Communications LLC 555 Wireless Blvd.
Hauppauge, NY 11788

Wireless phones also can be donated to the Wireless Foundation's DONATE A PHONE® CALL TO PROTECT® campaign. This charitable cause collects wireless phones to benefit victims of domestic violence. All donated phones are tax deductible. You may mail the phone to: CALL TO PROTECT, 2555 Bishop Circle, West Dexter, MI 48130.

-OR-

Drop the phone off at a local collection center. For a list of collection centers, visit www.wirelessfoundation.org/CalltoProtect/dropoff.cfm

Before returning any wireless device for recycling purposes, please remember to terminate your service on the device, clear the device of any stored information and remove the device's SIM card, if it has one (please contact your wireless provider to find out if your device contains a SIM card and for assistance on how to remove it).

MANUFACTURER'S WARRANTY

12 MONTH LIMITED WARRANTY

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

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

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

This Warranty does not apply to:

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

WARRANTY

(f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

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

When sending your wireless device to UTStarcom Personal Communications for repair or service, please note that any personal data or software stored on the device may be inadvertently erased or altered. Therefore, we strongly recommend you make a back up copy of all data and software contained on your device before submitting it for repair or service. This includes all contact lists, downloads (i.e. third-party software applications, ringtones, games and graphics) and any other data added to your device. In addition, if your wireless device utilizes a SIM or Multimedia card, please remove the card before submitting the device and store for later use when your device is returned, UTStarcom Personal Communications is not responsible for and does not guarantee restoration of any third-party software, personal information or memory data contained in, stored on, or integrated with any wireless device, whether under warranty or not, returned to UTStarcom Personal Communications for repair or service.

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

WARRANTY

to an authorized Warranty station in your area, you may telephone in the United States (800) 229-1235, and in Canada (800) 465-9672 (in Ontario call 416-695-3060).

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

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

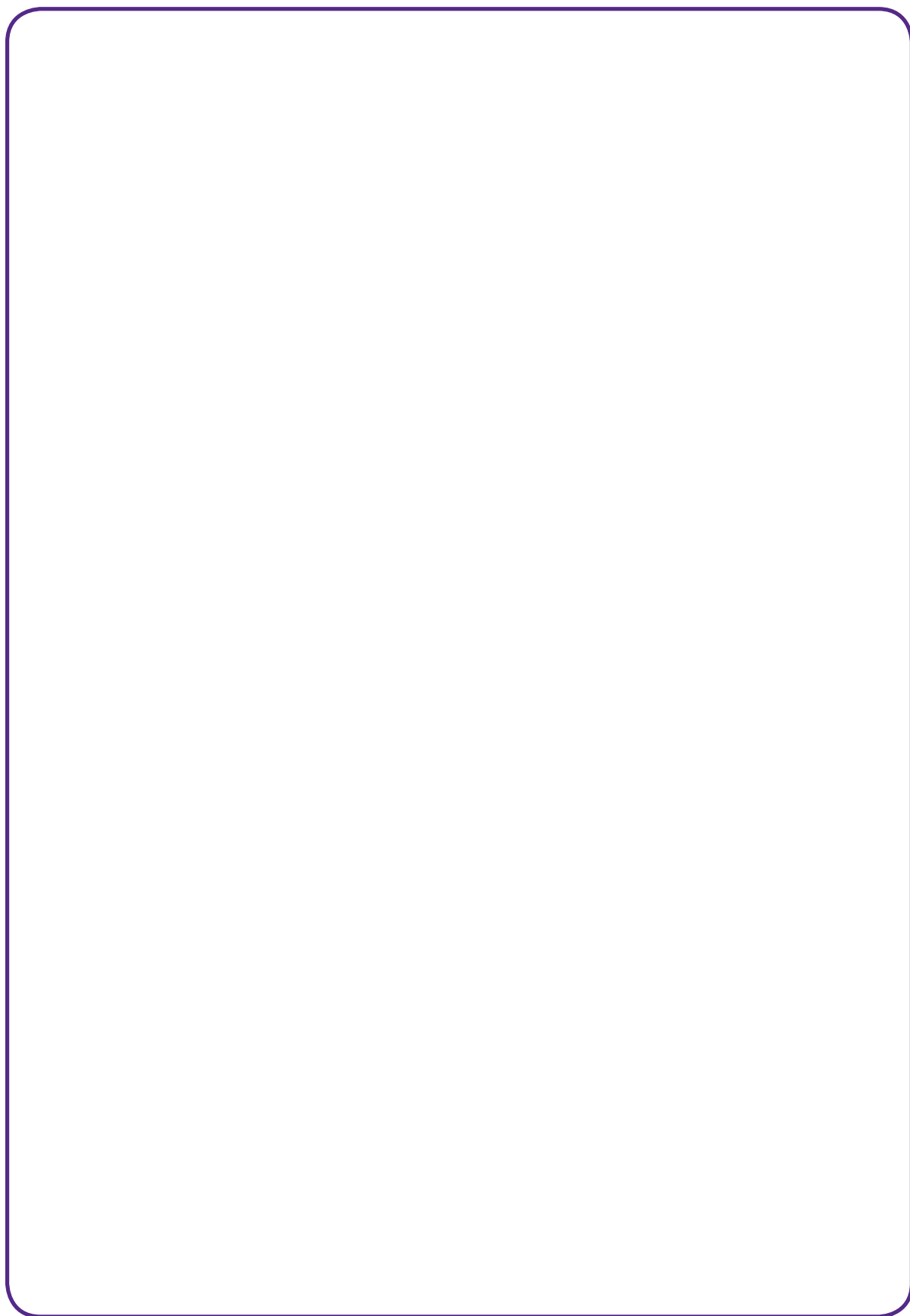
No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

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

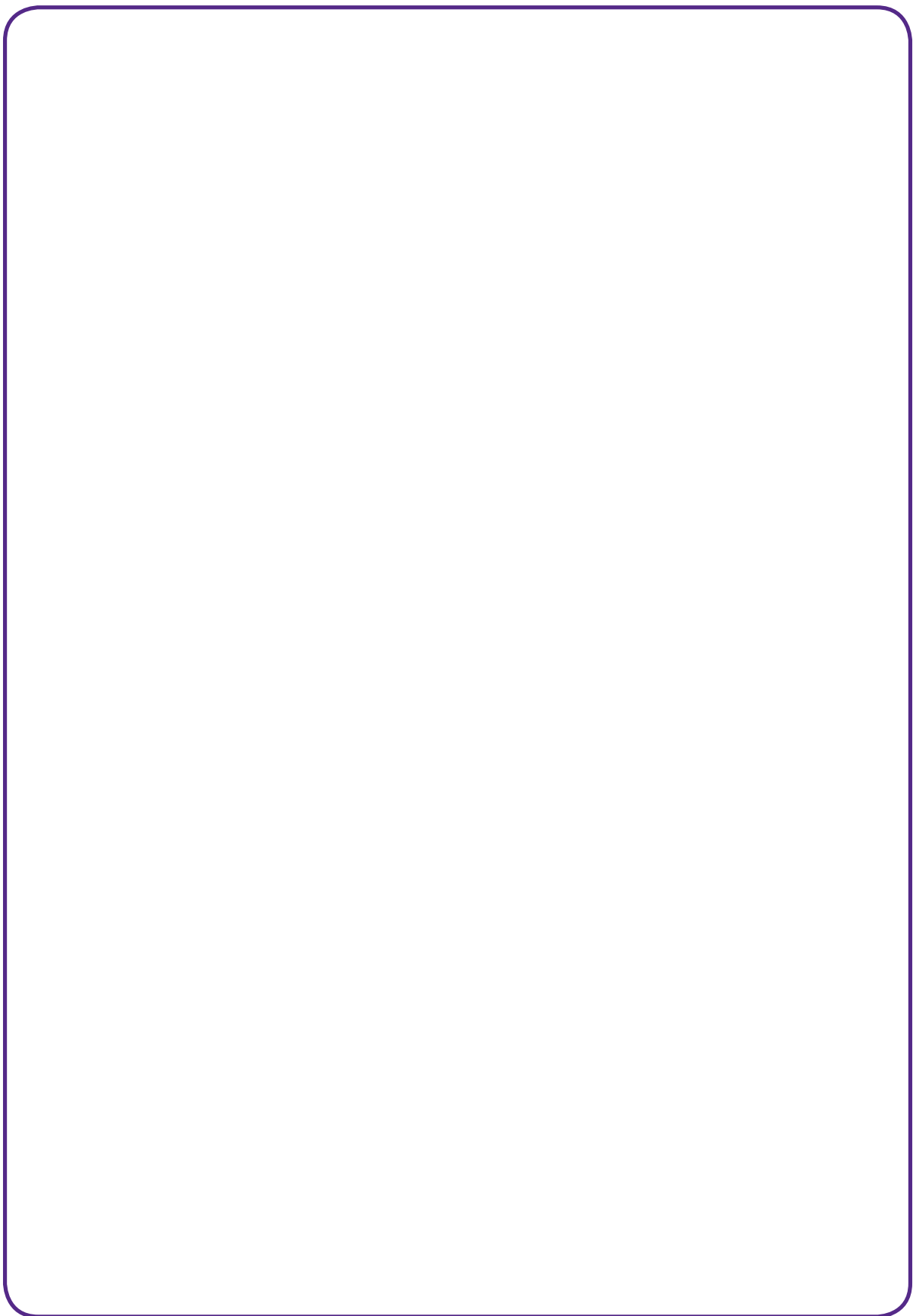
WARRANTY

IN USA: UTStarcom Personal Communications 555 Wireless Blvd.
Hauppauge, NY 11788 (800) 229-1235

IN CANADA: UTStarcom Canada Company 5535 Eglinton Avenue West
Suite# 234 Toronto, ON M9C 5K5 (800) 465-9672



MEMO



FCC Compliance Information

This device complies with Part 15 of 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.

Information to User

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.

CAUTION

The user who makes changes or modifications to the unit without the express approval by the manufacturer will void user authority to operate the equipment.