

# WELCOME TO UTSTARCOM

Thank you for choosing the up-to-date UTStarcom CDM-7025SP, our new model, developed by top researchers to support the CDMA2000 1X system through Qualcomm-manufactured MSM6050 chips and CDMA technologies. This product allows for high speed communication services and a GUI animation menu. T9 input mode makes it much easier to enter text, while VR (Voice Recognition) makes the UTStarcom more user friendly. Other proven technologies include:

- Full graphic display of 9 text input lines and 1 icon line with variable font size.
- Easy to dial through the VR feature.
- Easy to enter letters through the T9 text input mode.
- GUI & Animation display compliant with CDMA2000 1X.
- Full graphic - STN65K color LCD
- Navigation Key and 20 keys aligned for more convenience.
- Sophisticated features of speaker phone and voice recognition.
- Additional services of text messaging and call forwarding, call transfer, call waiting.

# WELCOME TO UTSTARCOM

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

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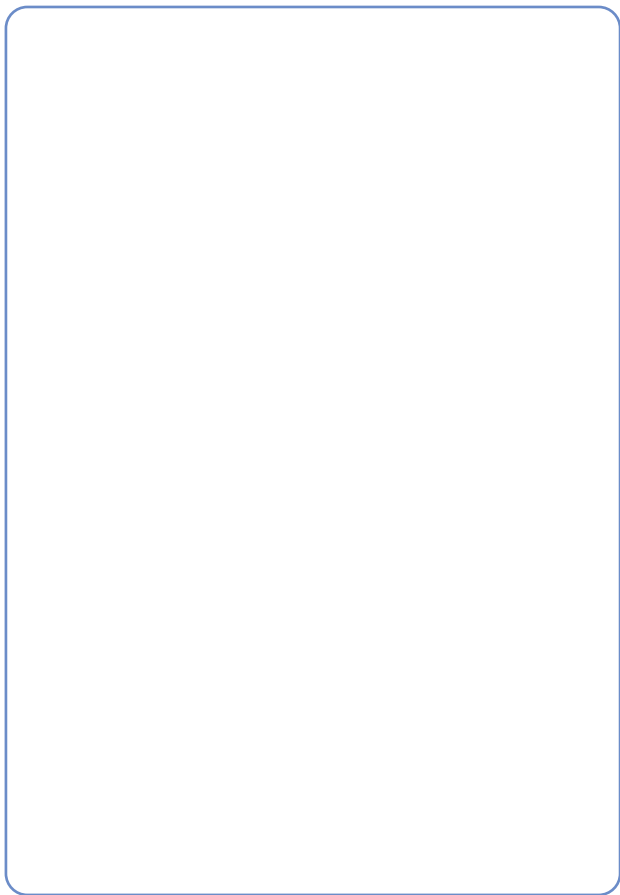
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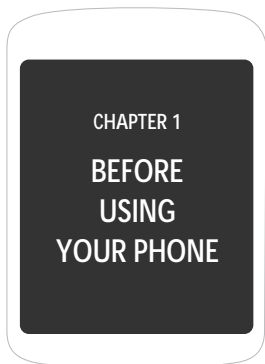
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# MEMO



# CHAPTER 1

## BEFORE USING YOUR PHONE



This chapter provides important information about using the UTStarcom including:

PACKAGE INCLUDES  
HANDSET DESCRIPTION  
BATTERY USAGE  
BATTERY HANDLING INFORMATION



# PACKAGE INCLUDES

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



**Handset**



**Travel Charger**



**Standard Battery**



**User Manual**

# HANDSET DESCRIPTION

The UTStarcom weighs X.Xoz. The dimensions are X.XX" x X.XX" x X.XX".



# HANDSET DESCRIPTION (THE FUNCTION KEYS)












## In Idle Mode

Press Up for VR, Down for Shortcut, Right for Fun & Games and Left for Setting & Tools.

## In Idle Mode

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

	<b>TALK Key</b> Press to make or receive a call.
	<b>End Key</b> Press to turn the phone on/off, to terminate a call or to return to the initial page.
	<b>Left Soft Key</b> Press to access the message menu or function displayed on bottom line.
	<b>Right Soft Key</b> Press to access contacts menu or function displayed on bottom line.
	<b>CLR Key</b> Press to clear a digit from the display or to return to the previous page.
	<b>Shift Key</b> Enters the asterisk [*] character for calling features. In text entry mode, press to change the character input type.
	<b>Space Key</b> Enters the pound [#] character for calling features. In text entry mode, press to enter a space.
	<b>International Key</b> A twice press shall display a plus "+" (International key).
	<b>Side Volume Key</b> 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. To mute the ringer during an incoming call, press the volume key up or down.

# HANDSET DESCRIPTION (DISPLAY INDICATORS)

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



### Display Indicators

Display various icons.

### Text & Graphic area

### Soft Key Indicators

Shows the functions currently assigned to each soft key and displays some icons.



### Signal Strength

Current signal strength: the more lines, the stronger the signal (1X Mode/Digital Mode).



### Roaming

Phone is out of home area.



### Voice Privacy

Indicates Voice Privacy mode.



### Dormant

Indicates your phone is in a dormant state during a data call. Your phone goes to Dormant mode when you have not had any activity on a page for some time - your connection is still active and you can make and receive calls.



### 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.

# HANDSET DESCRIPTION (DISPLAY INDICATORS)



## **Battery**

Battery charging level — the more blocks, the stronger the charge.



## **Alarm Only**

Phone will alert you with an alarm tone when call is received.



## **Alarm**

Appears when either a calendar or an alarm is set.



## **Vibrate Only**

Phone will vibrate when call is received.



## **All Off**

Indicates the ringer volume is set to off.



## **Voicemail**

Indicates you have voicemail messages.



## **New Messages**

New TXT or voice message.



## **Calendar Appointment**

Indicates Event Alarm is active.



## **Data Only**

Receives a data call when connected to PC.

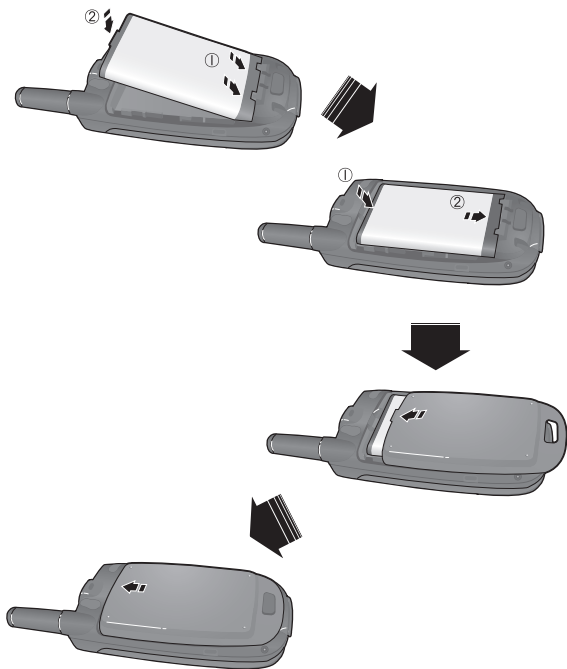


## **Speakerphone**

Phone is in speakerphone mode.

# BATTERY USAGE (BATTERY INSTALLATION)

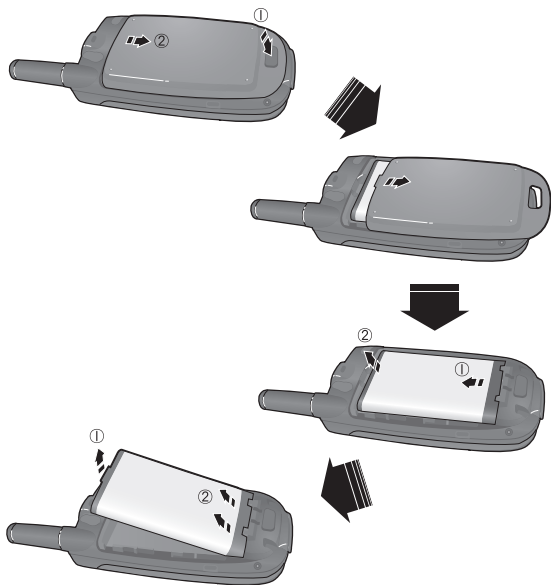
1. Place the battery and place the battery cover on the back of the handset and slide into place.
2. Push the battery down until it locks into place.



# BATTERY USAGE (BATTERY REMOVAL)

1. Pull down the release latch, lift up the battery cover.
2. Remove the battery from the handset.

**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.



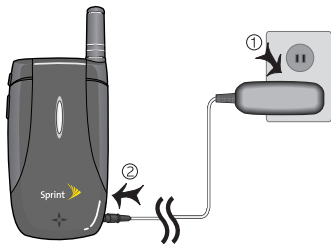
# BATTERY USAGE (BATTERY CHARGING)

## POWER CONNECTION

1. Plug the AC Charger into a standard outlet.
2. Plug the other end of the AC Charger into the bottom of your phone. The battery must be installed onto the phone.

### Hot Key

- When you charge the battery with the phone power 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 USAGE (BATTERY CHARGING)

## PCS AND 1X BATTERY TIMES

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

Battery Capacity	DCS	PCS
STD	Up to XXX m	Up to XXX m
EXT	Up to XXX m	Up to XXX m

## BATTERY LIFE (FOR NEW BATTERY)

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

Battery Capacity	DCS	PCS
STD	XXX Hours	XXX Hours
EXT	XXX Hours	XXX Hours

**Note**

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

# BATTERY HANDLING INFORMATION

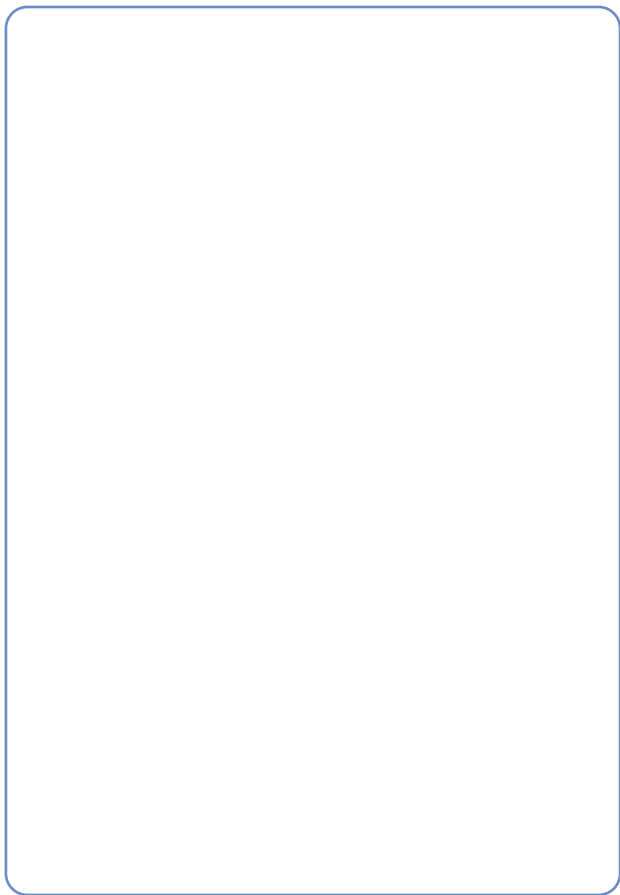
## DO's

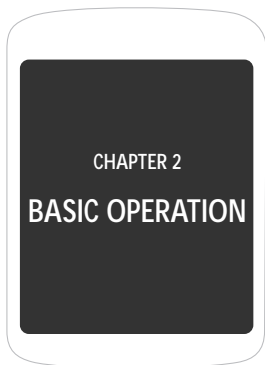
- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C ) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool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

# MEMO





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 **END KEY** until your "Power On" 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 digit of your phone number.

## TURNING THE PHONE OFF

1. Press and hold **END KEY** until your "Power Off" logo appears.

### 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 Navigation Key or by pressing the number that corresponds with the menu item.

1. To access the menu in the idle mode, press **OK KEY** [MENU].
2. Use the Navigation Key to scroll through the menu.

To search through the menu in numerical order, press the Navigation Key.

3. To return to the previous page, press **CLR KEY**.  
To exit the current menu and return to the idle mode, press **END KEY**.
4. Press the Navigation Key to enter a function when its main page is displayed or press its assigned number to have direct access to the function.

## Hot Key

In idle mode, move the Navigation Key as follows to access these functions:

- Upward movement : VR
- Downward movement : Shortcut
- Rightward movement : Fun & Games
- Leftward movement : Setting & Tools

# MENU SUMMARY

## FUN & GAMES

CUTY

## MESSAGE

New Msg

Inbox

Sent

Drafts

Voicemail

## CONTACTS

New Contacts

Contact List

Groups

No Group

Family

Friends

Work

Speed Dials

## RECENT CALLS

Missed

Received

Dialed

All

View Timers

## SETTINGS & TOOLS

Tools

Calendar

Alarm Clock

World Clock

Notepad

Calculator

Stopwatch

Sound Settings

Master Volume

Call Sound

Call Ringtone

Call Vibrate

Alert Sound

TXT Message

Voicemail Msg

Keypad Volume

Earpiece Volume

Service Alerts

ERI

Minute Beep

Call Connect

Power On/Off

Power On

Power Off

Alarm Sound

Tone

Vibrate

Display Settings

Banner

Personal

ERI Banner

Backlight

Display

Keypad

Contrast

Wallpaper

Screensaver

Display Themes

Fonts

Clock Format

# MENU SUMMARY

- Phone Settings
  - Standalone Mode
  - Short Cut Key
  - Language
  - Location
  - Security
    - Common Code
    - Lock Mode
    - Edit Code
    - Erase Contacts
  - System Select
  - Nam Selection
- Call Settings
  - Answer Options
  - Auto Retry
  - TTY Mode
  - One Touch Dial
  - Voice Privacy
  - Call Restrictions
  - Data Settings
    - Select Port
    - Port Speed
  - DTMF Tones
  - Ringer ID
- Memory
- Phone Info
  - My Number
  - SW Version
  - Icon Glossary
- VR Settings
  - Choice List
  - Train Voice
  - Prompts
  - Call Alert



# BASIC FUNCTIONS

## 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 KEY**.
- To erase the entire number, press and hold **CLR KEY**.

**Phone number display in contact list :**

If contact's name field empty, then highest priority phone number displayed. If any phone number and name is not exist then email address display. Referece "Contact display order". All matching entries will be displayed. To call the selected number, press **TALK KEY**.

**To send the txt with phone number :**

- To enter a part of the phone number, then press **RIGHT S.KEY [OPTIONS]**, select "New TXT Msg" .

2. Press **TALK KEY**.

### 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.

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

## ANSWERING CALLS

1. When your phone rings or vibrates, press **TALK KEY** 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.)

To ignore incoming calls, press **RIGHT S.KEY** [IGNORE].

2. To end a call, press **END KEY**.

## WAIT/PAUSE FEATURE

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

1. To insert a wait/pause, enter a phone number then press **RIGHT S.KEY** [OPTIONS]. Select either a 2.Sec Pause ("P" appears) or a Wait ("W" appears).
2. Press **TALK KEY** to dial or press **LEFT S.KEY** [SAVE] to save phone number.

# BASIC FUNCTIONS

## ANSWERING A CALL

1. To answer a call, press any key except **END KEY**, **LEFT S.KEY**, **RIGHT S.KEY**, **CLR KEY**, **VOLUME KEY** or **NAVIGATION KEY**.

By pressing **OK KEY** [MENU] then select "Settings & Tools" menu, press **5 KEY**, **1 KEY**, you can select either "Flip Open", "Any Key", "Send Only" or "Auto Answer" to answer a call.  
If "Send Only" is selected, the phone can only be answered by pressing **TALK KEY**.

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

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

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

**Note**

If one of the people you called hangs up during your call, you and the remaining caller stay connected.  
If you initiated the call and are the first to hang up, all three callers are disconnected.

## CALLER ID FUNCTION

Identifies caller by displaying their phone number.

If the caller's name and number are already stored in your phone book, they name will appear. The caller ID is stored in the recent calls.

## 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 **TALK KEY**. This places the first call on hold. To switch back to the first caller, press **TALK KEY** 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. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** then select one of the following.

**Master Volume:** Controls the ringer volume.

**Keypad Volume:** Controls the keypad volume.

**Earpiece Volume:** Controls the earpiece volume.

2. Adjust volume then press **OK KEY** to save it.

### Note

- To adjust earpiece volume during a call, press the Side Key up or down.
- To adjust master volume, press short side up/ down key.
- Side Volume Up key Long Press: Volume key shall bring device Normal Mode.
- Side Volume Down key Long Press: To setting a sounds off.

## MUTE (UNMUTE)

The caller cannot hear you or any sounds from your side but you can still hear them.

1. Press **LEFT S.KEY** [MUTE].

- To deactivate, press **LEFT S.KEY** [UNMUTE].
- The phone will automatically unmute in Emergency Call or Callback mode.

## SEND TXT MSG

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

1. Press **RIGHT S.KEY** [OPTIONS], press **1 KEY**.

## CONTACTS

To select the phone number in your internal Contact List.

1. Press **RIGHT S.KEY** [OPTIONS], press **2 KEY**.

## RECENT CALLS

To select the phone number in your recent calls List.

1. Press **RIGHT S.KEY** [OPTIONS], press **3 KEY**.

## VOICE PRIVACY

Increases security during a call.

1. Press **RIGHT S.KEY** [OPTIONS], press **4 KEY**.

# DURING A CALL

## LOCATION

Enables the network to locate your current location through Global Positioning System (GPS).

1. Press **RIGHT S.KEY** [OPTIONS], press **5 KEY**.

# 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 the lock mode and out of the service area.

## 911 IN LOCK MODE

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

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

## 911 USING ANY AVAILABLE SYSTEM

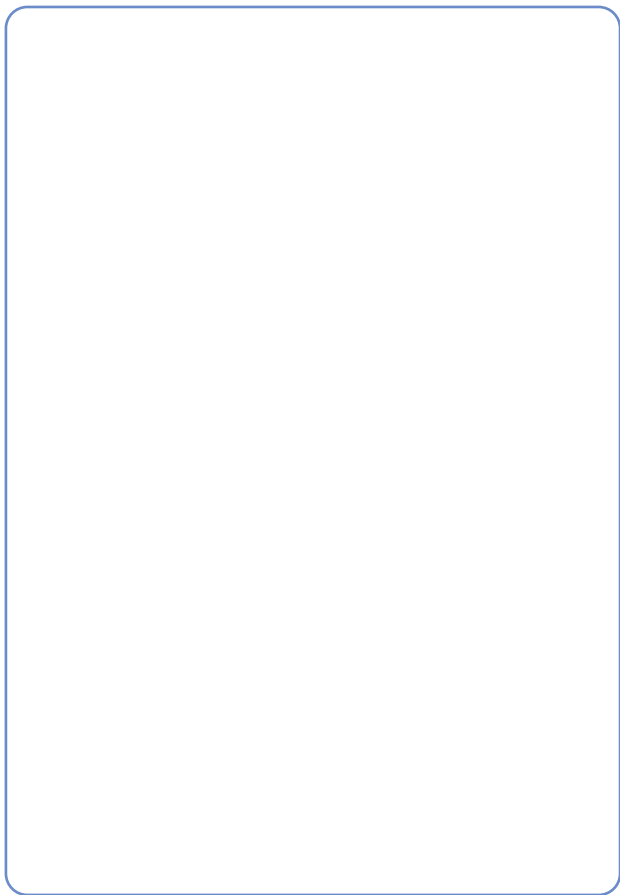
1. Enter "911", then press **TALK KEY**.
2. The call connects.
3. The phone maintains the Emergency Mode and the phone can receive an incoming call from any available system. However, it can't make a call.

**Note**

The 911 call is not recorded in the recent call list.

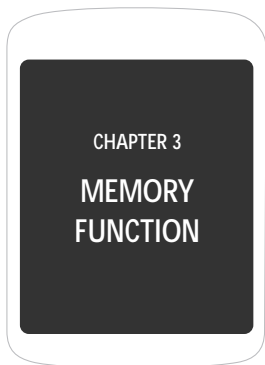


# MEMO



# CHAPTER 3

## MEMORY FUNCTION



This chapter addresses memory functions including:

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

# STORING A PHONE NUMBER

The phone book stores up to 500 entries.

1. Enter phone # then press **LEFT S.KEY** [SAVE] then choose "Create New" or "Update Existing".  
Press **OK KEY** to select.
2. If "Create New" is selected, the phone number will appear above a list. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press **OK KEY** to select. If "Update Existing" is selected, your contact list is displayed. Choose the entry to add the phone number to, then press **OK KEY**. You will then see the phone number listed about a list. Press **OK KEY** to select.
3. Enter a name.  
To change the input mode, press **LEFT S.KEY** [Abc].  
Press the Navigation Key down to select other options (Mobile1.2, E-mail1.2, etc...). If entered phone number, press **RIGHT S.KEY** [OPTIONS] to select one of the following options:

Set Speed Dial  
Set Voice Dial  
Set As Default  
Add Pause

4. To store the entry, press **OK KEY** [SAVE]. "CONTACT SAVED" will be displayed.

# ENTERING LETTERS, NUMBERS & SYMBOLS

The input mode (Alpha editor) will automatically be activated when necessary to enter letters and numbers. As shown below, there are 5 available modes ; Standard input mode (Abc), Input mode (Alpha), Numeric mode (123), and Symbol mode (Symbols). The input mode indicator appears on the upper right of the display when letters and numbers are entered. To select the desired input mode among the 5 modes below, press **LEFT S.KEY** [Abc], then enter letters and numbers.

KEY	LEFT S.KEY	0 KEY	SPACE KEY
	Press to change mode. [Alpha][Abc] [ABC][123] [Symbols]	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	CLR KEY	OK KEY	SHIFT KEY
	Press to delete a character to the left of the cursor.	Send the letters and numbers you enter.	Press to select a letter case of the standard text input or Alpha text input mode. [Abc], [ABC] and [abc] indicate the standard text input. [Alpha], [ALPHA] and [alpha] indicate the predictive text input.

# ENTERING LETTERS, NUMBERS & SYMBOLS

## STANDARD INPUT MODE

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

1. Enter letters using the key pad, to change the input mode, press **LEFT S.KEY** [Abc].
2. To enter a space, press **SPACE KEY**. The cursor will automatically move to the next column.
3. Repeat until letters are entered.
4. To delete one digit, press **CLR KEY**.  
To delete the entire entry, press and hold **CLR KEY**.
5. To change from lowercase to uppercase, press **SHIFT KEY**.

### E.G.

Select Abc mode by pressing **LEFT S.KEY** [Abc].

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 [5 KEY]	J
Press [6 KEY, 6 KEY, 6 KEY]	o
Press [4 KEY, 4 KEY]	h
Press [6 KEY, 6 KEY]	n

# ENTERING LETTERS, NUMBERS & SYMBOLS

## ALPHA INPUT MODE

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

1. Select the Alpha mode by pressing **LEFT S.KEY** [Abc].
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 **0 KEY**.
4. To accept the matching word then enter a space, press **SPACE KEY**.

### Note

To enter a compound word:

- Enter the first part of the word then press **RIGHT NAVIGATION KEY** to accept it.
- Enter the last part of the word then press **SPACE KEY** to enter the word.

### E.G.

To enter "Fun fare" in the Alpha input mode:

- After you enter the 1<sup>st</sup> letter, press **LEFT S.KEY** [Abc] to select Alpha mode and **SHIFT KEY** to choose the lower case (Alpha).
- Press **3 KEY**, **8 KEY**, **6 KEY** and you will see "Fun" highlighted. Press **SPACE KEY** to select it.
- Press **3 KEY**, **2 KEY**, **7 KEY**, **3 KEY** and until you see "ease" highlighted. Press **0 KEY** to select the next matching word, you will see "fare" then enter a space.

# ENTERING LETTERS, NUMBERS & SYMBOLS

## NUMERIC MODE

Allows you to enter numbers.

1. Press **LEFT S.KEY** [Abc] and scroll to the input mode to changes to "123 (Numeric mode)".
2. To enter a number, press a digit key.

## SYMBOL MODE

Allows you to enter symbols.

1. Press **LEFT S.KEY** [Abc] and scroll to the input mode to changes to "Symbols (Symbol mode)".
2. Select symbol you want to enter with the Navigation Key.

### Note

Use the Navigation Key to view a different line of symbols.

# MAKING A CALL THROUGH THE PHONE BOOK

## ONE-TOUCH/TWO-TOUCH DIALING

Ideal for frequently dialed numbers, this feature allows phone book entries to be dialed via the keypad with only one or two key presses.

### ONE-TOUCH DIALING

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

### TWO-TOUCH DIALING

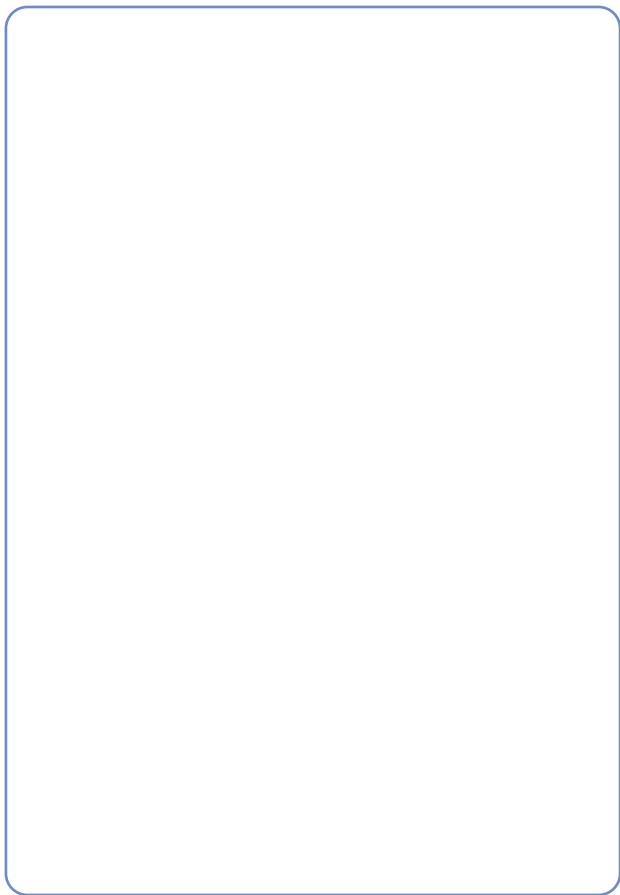
10-22 : Press the first digit and second digits of the memory number short and long respectively.

**Note**

If no phone number is stored in the location entered, "Unsigned location" will appear on the screen.

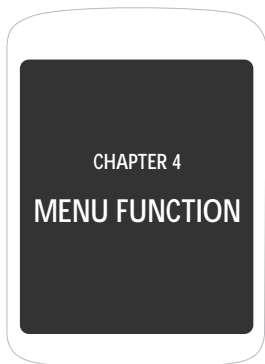


# MEMO



# CHAPTER 4

## MENU FUNCTION



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

CONTACTS  
RECENT CALLS  
SETTINGS

# CONTACTS

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

## NEW CONTACT

Adds a new entry.

1. Press **OK KEY** [MENU], press **1 KEY** "New Contact".
2. To enter a name or number, use the Navigation Key to select the phone book field.

**PHONE BOOK FIELDS** : Name/Mobile1/Home/Work/E-Mail1/Group/  
Ringtone/Mobile2/Fax/E-Mail2.

3. To save the entry, press **OK KEY** [SAVE].  
To return to the previous page, press **CLR KEY**.

### Note

- If user not input at least one field among number, e-mail then display "NO DATA ENTERED" in dialogue box.
- If name field is empty in edit contact but one of phone number field inserted then saved so display phone number in contacts list.

## CONTACT LIST

Retrieves an entry by name and calls by simply pressing **TALK KEY**. You can review all the entries stored in your phone book list or quickly find an entry by entering a name or its character string.

1. Press **OK KEY** [MENU], press **2 KEY** "Contact List" or press **RIGHT S.KEY** [CONTACTS].
2. The list of names in your phone book is displayed alphabetically.
3. Enter a name or its character string or scroll through the list with the Navigation Key.
4. To edit the entry, press **LEFT S.KEY** [EDIT].  
To show detail the entry, press **OK KEY** [VIEW].  
Press **RIGHT S.KEY** [OPTIONS] to 1. New Contact, 2. Erase, 3. Send TXT Msg or 4. Call.
5. To call the selected number, press **RIGHT S.KEY** [OPTIONS] then select "Call" or press **TALK KEY**.

# CONTACTS

## GROUPS

Allows you to classify phone entries into groups.

Existing groups include No Group, Family, Friends, Work.

A maximum of 30 groups is allowed. User can add group max 30 group (except "No Group"). Allows the user to add group up to 10 phone number or E-mail1, E-mail2. The user can add, change, and erase Group.

### ADD NEW GROUP

1. Press **OK KEY** [MENU], press **3 KEY** "Groups".
2. To select "New", press **LEFT S.KEY** [NEW].
3. Input a new group name.
4. To save it, press **OK KEY** [SAVE].

### ASSIGN PHONE NUMBER TO GROUP

1. Press **OK KEY** [MENU], press **3 KEY** "Groups".
2. To assign phone numbers to a Group, select "Add", press **RIGHT S.KEY** [OPTIONS].
3. Select a location and press **OK KEY**.  
Your phone book entries will be displayed in alphabetical order.
4. Select the contact for the group then press **LEFT S.KEY** [DONE].  
"CONTACT ADDED TO GROUP" will be displayed. Repeat for each location for the Group.

## CHANGE GROUP NAME

1. Press **OK KEY** [MENU], press **3 KEY** "Groups".
2. Select an existing group name that you have added with the Navigation Key.
3. To select "Rename", press **RIGHT S.KEY** [OPTIONS].
4. Input a new group name.
5. To save it, press **OK KEY** [SAVE].

## SEND TXT MSG. GROUP

1. Press **OK KEY** [MENU], press **3 KEY** "Groups".
2. Select an existing group name with the Navigation Key.
3. To select "Send TXT Msg.", press **RIGHT S.KEY** [OPTIONS].
4. Input a "Message", press **RIGHT S.KEY** [OPTIONS] to select "Add", then select "Graphics", "Sounds" and "Quick Text".
5. To send the text message, press **OK KEY** [SEND].  
To save the text message, press **RIGHT S.KEY** [OPTIONS], then select "Save As Draft", then press **OK KEY**.  
Press **RIGHT S.KEY** [OPTIONS], then select "Priority Level", select "High" or "Normal", then press **OK KEY**.

# CONTACTS

## ERASE GROUP

1. Press **OK KEY** [MENU], press **3 KEY** "Groups".
2. Select an existing group name with the Navigation Key.
3. To select "Erase", press **RIGHT S.KEY** [OPTIONS].
4. Select "Yes" to erase it, press **OK KEY**.

## 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.

1. Press **OK KEY** [MENU], press **4 KEY** "Speed Dials".
2. To assign a phone number to a location, select the location then press **OK KEY** [SET].
3. Select the contact with the Navigation Key then press **OK KEY**.

**Note**

"Unassigned" appears if the location is available.

4. To select "Yes", press **OK KEY**.
5. "SPEED DIAL SET" will be displayed.

## MISSED

Displays information about the 90 most recently missed calls.

Place a call to a missed call number by simply pressing **TALK KEY**.

1. To see a list of the 90 most recently missed calls, press **OK KEY** [MENU], then select "Recent Calls" menu, press **1 KEY** "Missed". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
2. To view missed call details, press **OK KEY** [OPEN].

### Note

Call details include date, time and phone number.

3. Press **RIGHT S.KEY** [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** To view the caller's information.
- **Erase:** To erase a missed calls list.
- **Lock/Unlock:** To lock or unlock missed calls list.
- **Erase All:** To erase all missed calls list.
- **View Timers:** To display usage time.

### Note

- After 90 missed calls, the oldest call will automatically be erased from the history.
- Press **LEFT S.KEY** [MESSAGE], to send the Txt message.



# RECENT CALLS

## RECEIVED

Displays information about the 90 most recently answered calls. Place a call to a received call by simply pressing **TALK KEY**.

1. To see a list of the 90 most recently answered calls, press **OK KEY** [MENU], then select "Recent Calls" menu, press **2 KEY** "Received". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
2. To view incoming call details, press **OK KEY** [OPEN].

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

3. Press **RIGHT S.KEY** [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** To view the caller's information.
- **Erase:** To erase a received calls list.
- **Lock/Unlock:** To lock or unlock received calls list.
- **Erase All:** To erase all received calls list.
- **View Timers:** To display usage time.

**Note**

- After 90 received calls, the oldest call will automatically be erased from the history.
- Press **LEFT S.KEY** [MESSAGE], to send the Txt message.

## DIALED

Displays information about the 30 most recently dialed numbers. Place a call to a dialed call by simply pressing **TALK KEY**.

1. To see a list of the 30 most recently dialed numbers, press **OK KEY** [MENU], then select "Recent Calls" menu, press **3 KEY** "Dialed". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
2. To view dialed call details, press **OK KEY** [OPEN].

### Note

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

3. Press **RIGHT S.KEY** [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** To view the caller's information.
- **Erase:** To erase a dialed calls list.
- **Lock/Unlock:** To lock or unlock dialed calls list.
- **Erase All:** To erase all dialed calls list.
- **View Timers:** To display usage time.

### Note

- After 30 dialed calls, the oldest call will automatically be erased from the history.
- Press **LEFT S.KEY** [MESSAGE], to send the Txt message.

# RECENT CALLS

## ALL

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

1. To see a list of the 210 most recent incoming, outgoing and missed calls, press **OK KEY** [MENU], then select "Recent Calls" menu, press **4 KEY** "All". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
2. To view details, press **OK KEY** [OPEN].

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

3. Press **RIGHT S.KEY** [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

- **Save:** To store the phone number in your phone book.
- **Details:** To view the caller's information.
- **Erase:** To erase a recent calls list.
- **Lock/Unlock:** To lock or unlock recent calls list.
- **Erase All:** To erase all recent calls list.
- **View Timers:** To display usage time.

**Note**

- After the 210 received, dialed or missed calls, the oldest call will automatically be erased from the history.
- Press **LEFT S.KEY** [MESSAGE], to send the Txt message.

## VIEW TIMERS

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

1. Press **OK KEY** [MENU], then select "Recent Calls" menu, press **5 KEY** "View Timers".
2. To reset the timer, press **LEFT S.KEY** [RESET], then select "Yes", press **OK KEY**.  
To reset all timer, press **RIGHT S.KEY** [RESET ALL], then select "Yes", press **OK KEY**.
3. To return to the previous page, press **OK KEY**.

# SETTINGS

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

## SOUND SETTINGS

### MASTER VOUME

Controls the Ringer volume and alerts you to in the modes listed in the gray box below (except Keypad Volume, Earpiece Volume).

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **1 KEY** "Master Volume".
2. Select one of the following options by pressing the Navigation Key to the right.

- All Sounds Off
- Alarm Only
- Vibrate Only
- Vib + Bell
- Low, Med Low, Med, Med High, High.
- Press **LEFT S.KEY** to play sound.

3. Select one of the available ring types.  
To confirm, press **OK KEY** [SET].

## CALL SOUND

To select a ringer type for incoming calls:

### Call Ringtone

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **2 KEY** "Call Sound", press **1 KEY** "Call Ringtone".
2. Select your desired ringer type.

- **Up or Down key:** Select "Ringer".
- Press **LEFT S.KEY** to Play/Stop the ringer.

3. Select one of the available ring types.

To confirm, press **OK KEY**.

### Call Vibrate

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **2 KEY** "Call Sound", press **2 KEY** "Call Vibrate".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

# SETTINGS

## ALERT SOUND

When selected, this setting alerts you to the following handset changes:

### TXT Message

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **3 KEY** "Alert Sound", press **1 KEY** "TXT Message".
2. Select "Tone", "Vibrate" or "Reminder" with the Navigation Key then select one of the following options by pressing the Navigation Key.
  - **Tone:** Select your desired ringer type.
  - **Vibrate:** Select "On" or "Off".
  - **Reminder:** Select "Once", "Every 2 Minutes", "Every 15 Minutes" or "Off".
3. To save, press **OK KEY**.

## **Voicemail Msg**

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **3 KEY** "Alert Sound", press **2 KEY** "Voicemail Msg".
2. Select "Tone", "Vibrate" or "Reminder" with the Navigation Key then select one of the following options by pressing the Navigation Key.

- **Tone:** Select your desired ringer type.
- **Vibrate:** Select "On" or "Off".
- **Reminder:** Select "Once", "Every 2 Minutes", "Every 15 Minutes" or "Off".

3. To save, press **OK KEY**.

## **KEYPAD VOLUME**

To adjust key pad tone:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **4 KEY** "Keypad Volume".
2. Select one of the following options by pressing the Navigation Key to the right.

- Off
- Low, Med Low, Med, Med High, High

3. Select one of the available ring types.  
To confirm, press **OK KEY** [SET].



# SETTINGS

## EARPIECE VOLUME

To adjust earpiece volume:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **5 KEY** "Earpiece Volume".
2. Select one of the following options by pressing the Navigation Key to the right.

• Low, Med Low, Med, Med High, High

3. Select one of the available ring types.  
To confirm, press **OK KEY** [SET].

## SERVICE ALERTS

### ERI (Enhanced Roaming Indicator)

Sounds an alert when leaving a service area and entering a roaming service area.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **6 KEY** "Service Alerts", press **1 KEY** "ERI".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

## **Minute Beep**

Sounds an alert every minute during a call.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **6 KEY** "Service Alerts", press **2 KEY** "Minute Beep".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

## **Call Connect**

Notifies you that a call has been successfully placed.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **6 KEY** "Service Alerts", press **3 KEY** "Call Connect".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

# SETTINGS

## POWER ON/OFF

### Power On

Allows you to activate/deactivate the power on tones.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **7 KEY** "Power On/Off", press **1 KEY** "Power On".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

### Power Off

Allows you to activate/deactivate the power off tones.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **7 KEY** "Power On/Off", press **2 KEY** "Power Off".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

## ALARM SOUND

To select a ringer type for alarm sound:

### Tone

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **8 KEY** "Alarm Sound", press **1 KEY** "Tone".
2. Select your desired ringer type.

- **Up or Down key:** Select your desired ringer type.
- Press **LEFT S.KEY** Play/Stop to the ringer.

3. Select one of the available ring types.  
To confirm, press **OK KEY**.

### Vibrate

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **2 KEY** "Sound Settings" then select **8 KEY** "Alarm Sound", press **2 KEY** "Vibrate".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

# SETTINGS

## DISPLAY SETTINGS

Allows you to customize the display.

### BANNER

To input a personal/ERI banner greeting:

#### Personal

The text greeting can be up to 16 characters and is displayed on your phone's screen in standby mode.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **1 KEY** "Banner", press **1 KEY** "Personal".
2. Enter a new personal greeting.  
To change the input mode, press **LEFT S.KEY** [Abc].
3. Press **OK KEY** [SAVE] to save it.

#### ERI Banner

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **1 KEY** "Banner", press **2 KEY** "ERI Banner".
2. Select "On" or "Off" with the Navigation Key then press **OK KEY** to save it.

## BACKLIGHT

Backlights the display and key pad for easy viewing in dark places.

### Display

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **2 KEY** "Backlight", press **1 KEY** "Display".
2. Select one of the following options with the Navigation Key.

• 5 Seconds, 15 Seconds, 30 Seconds, Always On, Always Off.

3. Press **OK KEY** to save it.

### Keypad

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **2 KEY** "Backlight", press **2 KEY** "Keypad".
2. Select one of the following options with the Navigation Key.

• 5 Seconds, 15 Seconds, 30 Seconds, Always On, Always Off.

3. Press **OK KEY** to save it.

# SETTINGS

## CONTRAST

To adjust the display contrast:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **3 KEY** "Contrast".
2. Select one of the following options with the Navigation Key.

- Level 0
- Level 1
- Level 2
- Level 3
- Level 4
- Level 5

3. Press **OK KEY** to save it.

## WALLPAPER

To adjust the display contrast:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **4 KEY** "Wallpaper".
2. Select Default to choose a pre-installed display, press **LEFT S.KEY** [VIEW].
3. Select a display from the Graphic list using the Navigation Key and press **OK KEY** to save it.

## SCREENSAVER

To adjust the display contrast:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **5 KEY** "Screensaver".
2. Select "On" or "Off" with the Navigation Key.  
If "On" is selected, to select Default to choose a pre-installed display, press **LEFT S.KEY** [VIEW].
3. Select a display from the Graphic list using the Navigation Key and press **OK KEY** to save it.

## DISPLAY THEMES

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **2 KEY** "Backlight", press **6 KEY** "Display Themes".
2. Select one of the following options with the Navigation Key.

• Default, Business, Tropical, Blue

3. Press **OK KEY** to save it.



# SETTINGS

## FONTS

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **7 KEY** "Fonts".
2. Select "Normal" or "Large" with the Navigation Key then press **OK KEY** to save it.

## CLOCK FORMAT

To change the clock's appearance on the standby screen:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **3 KEY** "Display Settings" then select **8 KEY** "Clock Format".
2. Select one of the following options with the Navigation Key.

- Digital
- Analog
- Off

3. Press **OK KEY** to save it.

## PHONE SETTINGS

### STANDALONE MODE

The device shall provide the ability for the user to turn off all radios in order to utilize the native or downloaded capability within the device when in areas where radio transmission is restricted.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **1 KEY** "Standalone Mode".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

### SHORT CUT KEY

Your phone offers you the option of assigning a short cut key (Down Navigation Key) to a favorite or often-used function. To assign a shortcut to the key:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **2 KEY** "Short Cut Key".
2. Select your desired menu option then press **OK KEY**.

• Inbox/Settings & Tools/Alarm Clock/Calculator/Calendar

3. In Idle Mode, the Shortcut can now be accessed by pressing the "Down Navigation Key".

# SETTINGS

## LANGUAGE

Selects the language in which letters are displayed on the screen.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **3 KEY** "Language".
2. Select "English" or "Spanish" with the Navigation Key.
3. Press **OK KEY** to save it.

## LOCATION

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

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **4 KEY** "Location".
2. Select "Location On" or "E911 Only" with the Navigation Key.
3. Press **OK KEY** to save it.

### Note

If the setting value of "Lock Mode -> Location" of the Security menu is "Lock", you must input the location lock code when entering the menu.  
The default value is the last 4-digit number of the phone number.

## SECURITY

Prevents unauthorized use of your phone. The following settings can be restricted:

### Common Code

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **5 KEY** "Security", then enter your password, press **OK KEY**.

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

2. Press **1 KEY** "Common Code".
3. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

### Lock Mode

Prevents the phone from being used without entering the password first.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **5 KEY** "Security", then enter your password, press **OK KEY**.

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

2. Press **2 KEY** "Lock Mode".

# SETTINGS

3. Select "Device" or "Location" then select one of the following options with the Navigation Key.

- **Device:** Lock, Unlock, On Power Up
- **Location:** Lock, Unlock

4. Press **OK KEY** to save it.

**Note** If the common code is "Off", you must input the location lock code when entering the location mode.  
The default value is the last 4-digit number of the phone number.

## Edit Code

Changes your Device/Location 4-digit password.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **5 KEY** "Security", then enter your password, press **OK KEY**.

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

2. Press **3 KEY** "Edit Code".
3. Select "Device" or "Location" then select one of the following options with the Navigation Key.
4. Enter a "New Lock Code" then press **OK KEY**.
5. Enter a "Confirm Lock Code" then press **OK KEY** to save it.

## **Erase Contacts**

To erase all the names and phone numbers in your internal Phone Book:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **5 KEY** "Security", then enter your password, press **OK KEY**.

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

2. Press **4 KEY** "Erase Contacts".
3. Read the message (Erase all Contacts?)
4. Select "Yes" or "No" with the Navigation Key and then press **OK KEY** to erase it.

## **SYSTEM SELECT**

Selects the Preferred System.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **6 KEY** "System Select".
2. Select one of the following options with the Navigation Key.

<ul style="list-style-type: none"> <li>• Home Only</li> <li>• Automatic - A</li> <li>• Automatic - B</li> </ul>	(or)	<ul style="list-style-type: none"> <li>• Home Only</li> <li>• Automatic</li> </ul>
---	------	--

3. Press **OK KEY** to save it.

# SETTINGS

## **NAM SELECTION**

Enables Auto NAM (Number Assignment Modules) or manually selects a NAM.

### **Auto NAM**

Automatically switches phone to proper NAM when you have multiple NAM registrations.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **7 KEY** "Nam Selection", press **1 KEY** "Auto NAM".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

### **Change NAM**

Changes the NAM used by the phone when you have multiple registrations.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **4 KEY** "Phone Settings" then select **7 KEY** "Nam Selection", press **2 KEY** "Change NAM".
2. Select "NAM 1" or "NAM 2" with the Navigation Key and then press **OK KEY** to save it.

## CALL SETTINGS

### ANSWER OPTIONS

To select an answer mode:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **1 KEY** "Answer Options".
2. Select one of the following options with the Navigation Key.

- Flip Open
- Any Key
- Send Only
- Auto Answer

3. Press **OK KEY** to save it.

### AUTO RETRY

Automatically redials a call up to 5 times after a set time interval.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **2 KEY** "Auto Retry".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.



# SETTINGS

## TTY MODE

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

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **3 KEY** "TTY Mode".
2. Select one of the following options with the Navigation Key.

- TTY Full
- TTY + Talk
- TTY + Hear
- TTY Off

3. Press **OK KEY** to save it.

## ONE TOUCH DIAL

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **4 KEY** "One Touch Dial".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

## VOICE PRIVACY

Enhances voice privacy and avoids tapping during a call.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **5 KEY** "Voice Privacy".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

## CALL RESTRICTIONS

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **6 KEY** "Call Restrictions".
2. Press **LEFT S.KEY** [ADD], to input restrict phone number. (There is a 30-phone number limit).
3. Press **OK KEY** to save it.

## DATA SETTINGS

### Select Port

Choose the select data port for the usage of your phone.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **7 KEY** "Data Setting", press **1 KEY** "Select Port".
2. Select one of the following options with the Navigation Key.

- USB
- UART 1

3. Press **OK KEY** to save it.

# SETTINGS

## **Port Speed**

Choose the select data port speed for the usage of your phone.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **7 KEY** "Data Setting", press **2 KEY** "Select Port".
2. Select one of the following options with the Navigation Key.

- 19200 bps
- 115200 bps
- 230400 bps
- AUTO (USB)

3. Press **OK KEY** to save it.

## **DTMF TONES**

To adjust tone length:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **8 KEY** "DTMF Tones".
2. Select "Normal" or "Long" with the Navigation Key and then press **OK KEY** to save it.

## **RINGER ID**

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **5 KEY** "Call Settings" then select **9 KEY** "Ringer ID".
2. Select "On" or "Off" with the Navigation Key and then press **OK KEY** to save it.

## MEMORY

To display total or available memory usage.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **6 KEY** "Memory".
2. To see the "Total Used", "Available Use" memory size.
3. To return to the previous page, press **OK KEY**.

# SETTINGS

## PHONE INFO

Displays the information of your phone:

### MY NUMBER

Displays the your phone number (MDN/MIN number):

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **7 KEY** "Phone Info" then select **1 KEY** "My Number".
2. You are to see the MDN/MIN number.
3. To return to the previous page, press **OK KEY**.

### SW VERSION

Displays the (Software/PRL/ERI) version:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **7 KEY** "Phone Info" then select **2 KEY** "SW Version".
2. You are to see the version of software, hardware and others.
3. To return to the previous page, press **OK KEY**.

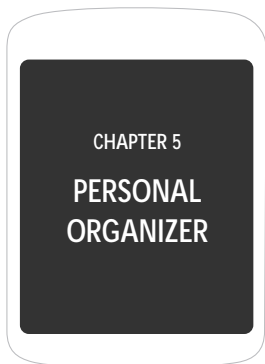
### ICON GLOSSARY

Displays the Indicator Icons of your cellular telephone:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **7 KEY** "Phone Info" then select **3 KEY** "Icon Glossary".
2. You are to see the Indicator Icons of your phone.
3. To return to the previous page, press **OK KEY**.

# 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, ommitments, and games.

TOOLS  
FUN & GAMES

## CALENDAR

Sets an event and reminds you of that event.

### ADD NEW CALENDAR

Displays the your phone number (MDN/MIN number):

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **1 KEY** "Calendar".
2. Move the Navigation Key left, right, up or down to choose a date in the calendar then press **OK KEY**.  
Press **RIGHT S.KEY** [OPTIONS] to 1. Erase or 2. Erase All.
3. Press **LEFT S.KEY** [ADD] to name field is highlighted. Press the Navigation Key down to set the schedule options.
4. Press **OK KEY** [SAVE] to save it or **CLR KEY** to return to the calendar.
5. The date of the event will be marked on your calendar.

### VIEW ADDED CALENDAR

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **1 KEY** "Calendar".
2. To view the Calendar List.
3. Move the Navigation Key to choose an event then press **OK KEY** [VIEW], to view detail schedule event. Press **RIGHT S.KEY** [OPTIONS], to erase event, then select "Yes", press **OK KEY**.

## ALARM CLOCK

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **2 KEY** "Alarm Clock".
2. Select one of the entries using the Navigation Key.  
To set a new alarm, choose alarm 1, 2, 3.  
To edit an existing alarm, select that alarm.  
Press **OK KEY**.
3. The setting field will be highlighted. Press the Navigation Key down to select alarm options.
4. To save an alarm setting press **OK KEY** [SAVE].



## WORLD CLOCK

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **3 KEY** "World Clock".
  2. Select a city with the **RIGHT S.KEY** [CITIES].
  3. The world map appears with the city, its date and time. Use the Navigation Key to select another city.
- Note** If user press **LEFT S.KEY** [DST], then all DST supporting cities DST turn on/off.
4. To return to the previous page and save current view city's time information, press **OK KEY**.

## NOTEPAD

Your phone includes an internal notepad that can be used to compose and store reminders and notes.

### ADD NEW MEMO

To compose a memo (there is an 80-letter limit):

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **4 KEY** "Notepad".
2. To add a new memo, press **LEFT S.KEY** [ADD].  
Input a new text memo.
3. To save memo, press **OK KEY** [SAVE].

### VIEW MEMO

To view a saved memo:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **4 KEY** "Notepad".
2. The list of all memos, in saved order, is displayed. Select a memo then press **OK KEY** [VIEW].
3. The selected memo will appear. To edit it, press **OK KEY** [EDIT] and input a new text memo, then press **OK KEY** [SAVE] to save it.
4. To add a new memo, press **LEFT S.KEY** [ADD].  
To erase a memo, press **RIGHT S.KEY** [OPTIONS] "Erase?".  
To erase all memos, press **RIGHT S.KEY** [OPTIONS] "Erase All?".

## CALCULATOR

To access the calculator:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **5 KEY** "Calculator".
2. Enter the number using your keypad and perform one of the following functions:
  - Press the navigation key right for Multiplication ( $\times$ ).
  - Press the navigation key left for Division ( $\div$ ).
  - Press the navigation key down for Subtraction ( $-$ ).
  - Press the navigation key up for Addition ( $+$ ).
  - Press **\* KEY** for a decimal point.
  - Press **# KEY** for change the displayed number from positive (+) to negative (-) and vice versa.
  - Press **RIGHT S.KEY** to clear all numbers.
  - Press **LEFT S.KEY** to select left parenthesis or right parenthesis.
3. Enter the numerical formula and press **OK KEY** for Equals (=).
4. To reset, press **RIGHT S.KEY** [CLEAR].

## STOPWATCH

Simultaneously times up to ten different events. To operate the stop watch:

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **1 KEY** "Tools" then select **6 KEY** "Stopwatch".
2. To measure a time period:

- To start, press **LEFT S.KEY** [START].
- To stop a time period and continue measuring another one, press **RIGHT S.KEY** [LAP].
- To stop the second and continue measuring a third one, press **RIGHT S.KEY** [LAP].
- To measure up to ten time periods, repeat the above steps.
- To stop the stop/continue watch, press **LEFT S.KEY** [STOP/CONTINUE].
- To review the results, press **NAVIGATION UP/DOWN.KEY**.
- To reset it, press **RIGHT S.KEY** [RESET].

## CUTY

1. Press **OK KEY** [MENU], then select "Fun & Games" menu, press **1 KEY** "Cuty".

### Game Menu

- **Start:** Lets start "Cuty" game.
- **Easy/Normal/Hard:** Select the desired difficulty.
- **Rank:** Lets you view score rank list.
- **Help:** Lets you view game control keys.  
(**NAVIGATION LEFT.KEY/NAVIGATION RIGHT.KEY**)

# CHAPTER 6

## VOICE SIGNAL COMMANDS



This chapter addresses Voice signal commands functions including:

VOICE SIGNAL COMMANDS

# VOICE SIGNAL COMMANDS

Voice Signal commands allow you to dial numbers, lookup contact information, and open applications using your voice.

1. In standby mode, press **NAVIGATION UP KEY**. After a brief pause, **“Please Say a Command”** appears in the display and is pronounced through the speaker.
2. After the phone beeps, say the name of the command that you want to perform.

The Voice Signal commands listed in the following table are available.

- **Contacts/Look up:** Lets you retrieve contact information for any entry in your contacts list.
- **Digit Dial:** Lets you dial a phone number by saying a name saved in your contact list or by saying the digits in the phone number.
- **Redial/Last Number:** Lets you dial a phone number by last dial phone number.
- **Driving:** Lets activating driving mode.
- **Missed Calls:** Lets you view missed calls list.
- **Voice Mail:** Lets access Voice Mail.
- **Battery:** Lets you view your phone's current battery level.

## VR SETTINGS

### CHOICE LIST

The "Choice List" setting option will allow you to choose if the Command System prompts you with a list of potential matches. "On" will always present you with a best match list of names or numbers. When multiple matches are found, the system will prompt you to choose from a list of matches. If the Choice List is set to "Off", the voice command system will select the best match.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **8 KEY** "VR Settings".
2. Select **1 KEY** "Choice List".
3. Select "1 match" or "4 match" with the Navigation Key.
4. Press **OK KEY** to save it.



# VOICE SIGNAL COMMANDS

## 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 **OK KEY** [MENU], then select "Settings & Tools" menu, press **8 KEY** "VR Settings".
2. Select **2 KEY** "Train Voice".
3. Select "Train Words" or "Train Digits" with the Navigation Key.
4. Press **OK KEY** to save it.

# VOICE SIGNAL COMMANDS

## PROMPT

The prompts settings, "Mode", "Timeout", and "Speed" settings will allow you to set how you are notified by the voice command system, the duration in which you can respond, and how fast the System will play the prompts to you, when in Prompts or Readout mode.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **8 KEY** "VR Settings".
2. Select **3 KEY** "Prompt".
3. Select "Mode" or "Timeout" with the Navigation Key.

- **Mode:** Select "Prompts" or "Ring Only".
- **Timeout:** Select "5 seconds" or "10 seconds".

4. Press **OK KEY** to save it.

# VOICE SIGNAL COMMANDS

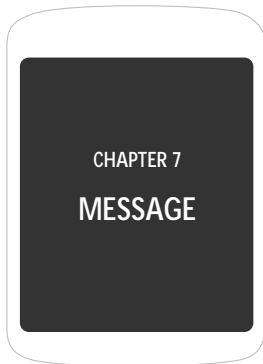
## CALL ALERT

The "Call Alert" setting control how you are notified when receiving a call. "Name + Ring" will first announce the name and then play the set ring tone. "Ring only" will play the set ring tone only. "Name Repeat" continuously, states the name or number until the call is answered or incoming call alert ends.

1. Press **OK KEY** [MENU], then select "Settings & Tools" menu, press **8 KEY** "VR Settings".
3. Select **4 KEY** "Call Alert".
4. Select "Ring Only", "Name+Ring" or "Name Repeat" with the Navigation Key.
5. Press **OK KEY** to save it.

## INFORMATION

1. In standby mode, press **NAVIGATION UP.KEY**, After a brief pause, "**Please Say a Command**" appears in the display and is pronounced through the speaker.
2. Press **LEFT S.KEY** [INFO].
3. Your phone displays the information requested above and plays it through your speaker.



This chapter addresses Voice Mail, TXT Messaging functions including:

NEW MSG  
INBOX  
SENT  
DRAFTS  
VOICE MAIL  
ERASE ALL  
SETTINGS

## NEW MSG

To send a new txt message:

1. Press **OK KEY** [MENU], then select "Message" menu, press **1 KEY** "New Msg" or press **LEFT S.KEY** [MESSAGE], press **1 KEY** "New Msg".
2. Under "TO", input the phone number.

By pressing **LEFT S.KEY** [ADD], you can choose from the following:

- **Contacts:** Search the phone number which is stored in the contacts list.
- **Groups:** Search the group which is stored in the contacts list.
- **Recent Calls:** Search the phone number which is stored in the recent calls list.

3. Press **DOWN NAVIGATION KEY**, under "Message", input a new TXT message.

**Note** If one of field is inserted in txt msg field, message save at draft box.

4. Press **RIGHT S.KEY** [OPTIONS], then select "ADD".

- **Graphics:** Inserts simple graphic image in TXT Msg.
- **Sound:** Inserts EMS sound in TXT Msg.
- **Quick Text:** Inserts already written sentences in TXT Msg.
- **Signature:** Inserts a signature that can be automatically inserted at the end of a message.

5. To save the TXT Message, press **RIGHT S.KEY** [OPTIONS], then select "Save As Draft".  
Press **RIGHT S.KEY** [OPTIONS], then select "Priority Level", select "High" or "Normal", then press **OK KEY**.  
To add to phonebook, press **RIGHT S.KEY** [OPTIONS], then select "Add to Contacts".
6. To send the TXT Message, press **OK KEY** [SEND].

# MESSAGE

## INBOX

The Inbox manages received TXT/Web Alert messages.

To access:

1. Press **OK KEY** [MENU], then select "Message" menu, press **2 KEY** "Inbox" or press **LEFT S.KEY** [MESSAGE], press **2 KEY** "Inbox".
2. Select a message, then press **OK KEY** [OPEN].  
The message is displayed. To delete a message, press **LEFT S.KEY** [ERASE], then select "Yes" or "No", press **OK KEY**.

By pressing **RIGHT S.KEY** [OPTIONS], you can choose from the following:

- **Forward:** To forward the TXT message.
- **Reply with Copy:** To reply to a received message and include the received message into the message.
- **Save Graphics:** To save a picture.
- **Save Sound:** To save a sound
- **Save Quick Text:** Select to save received text msg.
- **Lock/Unlock:** To lock or unlock the TXT.
- **Add to Contacts:** Select to save number to contacts.
- **Message Info:** To show received message information.

## SENT

Manages sent TXT messages waiting to be sent.

1. Press **OK KEFY** [MENU], then select "Message" menu, press **3 KEY** "Sent" or press **LEFT S.KEY** [MESSAGE], press **3 KEY** "Sent".
2. Select a message, then press **OK KEY** [OPEN].  
The message is displayed. To delete a message, press **LEFT S.KEY** [ERASE], then select "Yes" or "No", press **OK KEY**.  
Resend a message, then press **OK KEY** [RESEND].

By pressing **RIGHT S.KEY** [OPTONS], you can choose from the following:

- **Forward:** To forward the TXT message.
- **Lock/Unlock:** To lock or unlock the TXT.
- **Save Quick Text:** Select to save received text msg.
- **Add to Contacts:** Select to save number to contacts.
- **Message Info:** To show received message information.



## DRAFTS

Draft Folder contains any draft messages or saved messages. If message composition is interrupted by a voice call or other interrupting event, the text of the current composition is automatically saved in the drafts folder.

1. Press **OK KEY** [MENU], then select "Message" menu, press **4 KEY** "Drafts" or press **LEFT S.KEY** [MESSAGE], press **4 KEY** "Drafts".
2. Select a message then press **OK KEY** [EDIT].  
(To move "New Msg" mode).
3. Press **RIGHT S.KEY** [OPTIONS].

By pressing **RIGHT S.KEY** [OPTONS], you can choose from the following:

- **Send:** To send a selected message.
- **Lock/Unlock:** To lock or unlock the TXT.
- **Add to Contacts:** Select to save number to contacts.

## VOICEMAIL

Displays the number of voice mails and accesses them by pressing **TALK KEY**.

### FIRST TIME USER

1. Dial \*86 then press **TALK KEY** [SEND].
2. At the recording, press **SPACE KEY**.
3. To set up your account follow the voice tutorial.

### FIRST TIME USER

1. Dial \*86 then press **TALK KEY** [SEND].
2. At the recording, enter your 4 digit password, then press **SPACE KEY**.
3. To listen to new messages, press **1 KEY**.

## ERASE ALL

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **RIGHT S.KEY** [OPTIONS] or press **LEFT S.KEY** [MESSAGE], press **RIGHT S.KEY** [OPTIONS].
2. To erase all the inbox messages, press **1 KEY** [ERASE INBOX].  
To erase all the drafts messages, press **2 KEY** [ERASE DRAFTS].  
To erase the sent messages, press **3 KEY** [ERASE SENT].  
To erase all messages, press **4 KEY** [ERASE ALL].
3. Select "Yes", then press **OK KEY**.

## SETTINGS

Manages messaging features through various features.

### ALL MSG

#### Auto.save

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **1 KEY** [AUTO.SAVE]. Select "On", "Off" or "Prompt" with the Navigation Key.

- **On:** All sent messages saved in the Sent box.
- **Off:** All sent messages not saved in the Sent box.
- **Prompt:** "Yes", "No" dialogue box displayed after sent message.

3. Press **OK KEY** to save it.

#### Auto.erase

Automatically erases inbox messages when new messages arrived.

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **2 KEY** [AUTO.ERASE]. Select "On" or "Off" with the Navigation Key.

- **On:** Oldest message erased frm inbox automatically when message is full.
- **Off:** Oldest message not erased frm inbox automatically when message is full.

# MESSAGE

3. Press **OK KEY** to save it.

## Quick.text

To edit the Quick Text message you have saved:

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **3 KEY** [QUICK TEXT]. Select a message from the list. Press **OK KEY**. To add a new Quick Text message, press **RIGHT S.KEY** [OPTIONS] to select "Add New".  
To edit the Quick Text message you have selected, press **RIGHT S.KEY** [OPTIONS] to select "Edit", then enter text, press **OK KEY**.
3. To erase the saved Quick Text message, press **LEFT S.KEY** [ERASE].

### **Pre-defined quick text as below:**

1. What's up? / 2. Let's meet. / 3. Check this out! / 4. Whacha doing? / 5. Thanks / 6. What do you think? / 7. You've gotta be here to enjoy this. / 8. Would you like to join me for a date tonight? / 9. On my way. / 10. Yes / 11. You're the best! / 12. Call me.

## Voicemail #

Automatically erases inbox messages when new messages arrived.

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **4 KEY** [VOICEMAIL#]. Input a new voice mail number or edit voice call back number.
3. Press **OK KEY** to save it.

## Entry mode

Sets an Entry Mode as a default. For example, if T9 Mode is the default, its icon will appear.

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **5 KEY** [ENTRY MODE]. Select "Alpha", "ABC", "Abc", "123", "Symbols" with the Navigation Key.
3. Press **OK KEY** to save it.

# MESSAGE

## Callback #

Edits a default callback number so that the recipient can callback or reply.

1. Press **OK KEY** [MENU], then select “Messaging” menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **1 KEY** [ALL MSG].
2. Press **6 KEY** [CALLBACK#].  
Input a new callback number.
3. Press **OK KEY** to save it.

## Signature

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

1. Press **OK KEY** [MENU], then select “Messaging” menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS].
2. Press **7 KEY** [SIGNATURE].  
Input a Signature edit window.
3. Press **OK KEY** to save it.

## TXT MSG

### Auto view

If the "Auto View" is set to on, the user will be able to view the message. If the "Auto View" is set to off, the user can view the message by entering SMS Menu-> Inbox.

1. Press **OK KEY** [MENU], then select "Messaging" menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **2 KEY** [TXT MSG].
2. Press **1 KEY** [AUTO VIEW]. Select "On" or "Off" with the Navigation Key.

- **On:** Text message displayed automatically.
- **Off:** Text message displayed by going to the inbox or responding to interactive notification.

3. Press **OK KEY** to save it.



# MESSAGE

## Block/unblock

1. Press **OK KEY** [MENU], then select “Messaging” menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **2 KEY** [TXT MSG].
2. Press **2 KEY** [BLOCK/UNBLOCK]. Select “Block”, “Unblock” or “View List of Blocked Addresses” with the Navigation Key.

- **Block:** Enter the address to block.
- **Unblock:** Enter the address to remove from block.
- **VIEW LIST OF BLOCKED ADDRESSES:** Display the blocked.

3. Press **OK KEY** to save it.

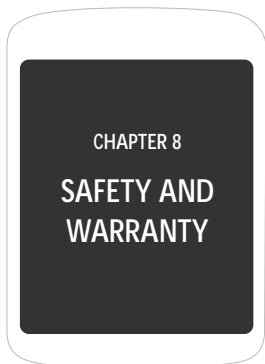
## Signature

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

1. Press **OK KEY** [MENU], then select “Messaging” menu, press **LEFT S.KEY** [SETTINGS] or press **LEFT S.KEY** [MESSAGE], press **LEFT S.KEY** [SETTINGS], then select **2 KEY** [TXT MSG].
2. Press **3 KEY** [SIGNATURE].  
Input a Signature edit window.
3. Press **OK KEY** to save it.

# CHAPTER 8

## SAFETY AND WARRANTY



This chapter addresses the safety guidelines and precautions to follow when operating your phone.

Before operating your phone, please be aware of all the safety details. This chapter contains the terms and conditions of services and the warranty for your phone.

Please review them thoroughly.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

SAFETY INFORMATION FOR FCC RF EXPOSURE

SAR INFORMATION

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

FDA CONSUMER UPDATE

MANUFACTURER'S WARRANTY

# SAFETY AND WARRANTY

## SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld Portable Cellular Telephone

### EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) \*

NCRP Report 86 (1986) \*

ICNIRP (1996) \*

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

### ANTENNA CARE

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

# SAFETY AND WARRANTY

## DRIVING SAFETY

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

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

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes. An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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

## ELECTRONIC DEVICES

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

# SAFETY AND WARRANTY

## **PACEMAKERS**

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

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

## **OTHER MEDICAL DEVICES**

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

## **POSTED FACILITIES**

Turn your phone OFF where posted notices so require.

## **AIRCRAFT**

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

## **BLASTING AREAS**

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

## **POTENTIALLY EXPLOSIVE ATMOSPHERES**

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle’s engine.

# SAFETY AND WARRANTY

## PRECAUTIONS

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

- DO NOT use this equipment in an extreme environment where hightemperature or high humidity exists.
- DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.
- DO NOT expose this equipment to rain or spilled beverages.
- DO NOT use unauthorized accessories.
- DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized Audiovox cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
- DO NOT short-circuit the battery terminals with metal items etc.

## WARNING!

- This product contains a chemical known to the State of California to cause cancer.
- This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## SAFETY INFORMATION FOR FCC RF EXPOSURE

**WARNING!** Read this Information before using

### CAUTIONS

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.



# SAFETY AND WARRANTY

## **BODY-WORN OPERATION**

This device was tested for typical body-worn operations with the back of the phone kept 2.0 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.0 cm.

separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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

## SAR INFORMATION

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

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

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure.

## SAFETY AND WARRANTY

The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.35W/Kg and when worn on the body, as described in this user guide, is 1.19W/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-CDM7025SP. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

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

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

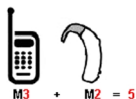
On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is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

## SAFETY AND WARRANTY

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. 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.



# SAFETY AND WARRANTY

## 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](http://www.hearingloss.org/hat/TipsWirelessPhones.htm)
- The Hearing Aid Compatibility FCC Order  
[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-03-168A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-168A1.pdf)

# SAFETY AND WARRANTY

## FDA CONSUMER UPDATE

### U.S. Food and Drug Administration -Center for Devices and Radiological Health Consumer Update on Wireless Phones

#### 1. Do wireless phones pose a health hazard?

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

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

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if 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.

## SAFETY AND WARRANTY

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



# SAFETY AND WARRANTY

The National Institutes of Health participates in some inter-agency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

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

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

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

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of 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 predisposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

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

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

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

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

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

## **7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?**

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

## SAFETY AND WARRANTY

### **8. What has FDA done to measure the radiofrequency energy coming from wireless phones ?**

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

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

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF).

Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

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

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

## **10. What about children using wireless phones?**

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to 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.

## SAFETY AND WARRANTY

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

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

## 12. Where can I find additional information?

For additional information, please refer to the following resources:

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



# SAFETY AND WARRANTY

## MANUFACTURER'S WARRANTY

### 12 MONTH LIMITED WARRANTY

UTStarcom Personal Communications (the Company) warrants to the original retail purchaser of this Audiovox handheld portable cellular telephone, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) 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;

## SAFETY AND 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.

## SAFETY AND WARRANTY

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

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

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR AN SPECIAL CONSEQUENTIAL OR INCIDENTAL LIABILITY 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.

# SAFETY AND WARRANTY

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