

C1100

USER GUIDE



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Table of Contents

SAFETY PRECAUTIONS.....	1
HANDLING THE PHONE, BATTERY AND CHARGER	1
HANDLING THE PHONE	2
HANDLING THE BATTERY.....	3
HANDLING THE CHARGER	4
 1. GETTING STARTED	5
1.1 PACKAGE CONTENTS.....	5
1.2 PHONE SPECIFICATIONS	5
1.3 HANDSET DESCRIPTION.....	7
1.4 DISPLAY INDICATORS	9
1.4.1 Annunciators.....	9
1.4.2 Context Area.....	10
1.4.3 Soft Key Area.....	10
1.5 CHARGING THE BATTERY	10
1.6 REPLACING THE BATTERY	11
1.7 CONVENTIONS IN THIS GUIDE	14
1.8 ACCESSING MAIN MENU OPTIONS.....	15
 2. BASIC OPERATIONS	17
2.1 TURNING THE PHONE ON/OFF	17
2.2 MAKING A CALL	17
2.3 IN CALL OPERATIONS.....	18
2.3.1 Menu.....	18
2.3.2 Mute.....	19
2.4 MISSED CALLS	19
2.5 THREE-PARTY CALLS	19
2.6 SPEED DIALING A PHONE NUMBER	20
2.7 RECEIVING AN INCOMING CALL.....	20
2.8 CALL WAITING	21
2.9 KEYGUARD.....	21
2.10 RINGER VOLUME CONTROL	22

2.11 MASTER VOLUME CONTROL	23
3. STORING A PHONE NUMBER TO CONTACTS.....	24
3.1 ACCESS TO SAVING CONTACTS	24
3.2 CREATING NEW CONTACT	25
3.3 UPDATING CONTACT	25
4. CALL LOG APPLICATION.....	26
4.1 ACCESSING THE CALL LOG LIST	26
4.2 SAVE CALL LOG TO CONTACTS.....	27
4.3 CALL LOG OPTIONS MENU	27
4.3.1 Viewing Call Details	27
4.3.2 Sending a Message	27
4.3.3 Deleting Call Log	28
4.3.4 Showing Call Types	28
4.3.5 Clearing Call Log List.....	28
4.4 CALLING FROM CALL LOG	28
5. MESSAGING APPLICATION	29
5.1 COMPOSING MESSAGE	29
5.2 INBOX	32
5.2.1 Reply	33
5.2.2 Forward	34
5.2.3 Message Details	34
5.2.4 Call	34
5.2.5 Add Contact	35
5.3 SENT	35
5.3.1 Forward	36
5.3.2 Message Details	36
5.3.3 Call	36
5.3.4 Add Contact	37
5.4 DRAFT	37
5.4.1 Send	37
5.4.2 Delete	38
5.5 PAGES	38

5.6 MESSAGING SETTINGS	38
5.6.1 Callback Number	38
5.6.2 Delivery Confirmation.....	39
5.6.3 Duplicate Detection.....	39
5.6.4 Auto Erase.....	39
6. CONTACTS APPLICATION	41
6.1 EDITING CONTACTS	41
6.1.1 Adding Contact	42
6.1.2 Searching Contact	45
6.1.3 Re-editing Contact	45
6.1.4 Re-editing Fields in Contact	46
6.1.5 Setting Number/Email as Default	46
6.2 DELETING CONTACT	47
6.3 ERASING NUMBER/EMAIL/SPEED DIAL/RING TONE FROM CONTACT	48
6.4 MAKING CALL/CREATING NEW MESSAGE FROM CONTACT	48
7. CALCULATOR APPLICATION.....	48
8. SETTINGS APPLICATION	48
8.1 SOUND.....	48
8.1.1 Ring Tones.....	48
8.1.2 Sound Effects	48
8.1.3 Volumes.....	48
8.2 DISPLAY	48
8.2.1 Properties	48
8.2.2 Formatting	48
8.3 SHORTCUTS	48
8.4 ROAMING	48
8.5 FEATURES.....	48
8.5.1 Text Input	48
8.5.2 Anykey Answer	48
8.5.3 Auto Keyguard	48
8.5.4 Call Timers.....	48
8.5.5 Touchtone	48
8.5.6 Service Tones	48

8.6 SECURITY	48
8.6.1 Voice Privacy	48
8.6.2 Default Reset	48
8.7 ABOUT	48
9. BREW APPLICATION	48
9.1 MOBILESHOP	48
9.2 SETTINGS	48
9.2.1 Order Apps	48
9.2.2 Move Apps	48
9.2.3 Manage Apps	48
9.2.4 Menu View	48
9.2.5 Screen Savers	48
9.2.6 View Log	48
9.3 HELP	48
10. VOICEMAIL APPLICATION	48
11. CLOCK APPLICATION.....	48
11.1 ALARM CLOCK	48
11.2 TIMER	48
11.3 COUNTDOWN.....	48
11.3.1 Set Countdown.....	48
11.3.2 Start /Stop the Countdown.....	48
12. POKER APPLICATION	48
13. TEXT ENTRY	48
13.1 NUMERIC MODE	48
13.2 MULTITAP MODE	48
13.3 EZiTEXT MODE.....	48
13.4 RESTRICTED TEXT FIELDS	48
13.4.1 Numeric	48
13.4.2 Name.....	48
13.4.3 Email Address.....	48
13.5 DEFAULT TEXT MODES	48

14. TROUBLESHOOTING.....	48
15. SAFETY AND WARRANTY	48
15.1 SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES	48
15.1.1 EXPOSURE TO RADIO FREQUENCY SIGNALS	48
15.1.2 ANTENNA CARE	48
15.1.3 DRIVING SAFETY	48
15.1.4 ELECTRONIC DEVICES	48
15.1.5 OTHER SAFETY GUIDELINES	48
15.1.6 PRECAUTIONS	48
15.2 SAFETY INFORMATION FOR FCC RF EXPOSURE	48
15.2.1 CAUTIONS	48
15.2.2 BODY-WORN OPERATION	48
16. SAR INFORMATION	48
17. FDA CONSUMER UPDATE	48
18. 12 MONTH LIMITED WARRANTY	48

SAFETY PRECAUTIONS

Handling the Phone, Battery and Charger

DANGER

 Compulsory	Only use the battery and charger specified for the phone. Failure to do so can result in damage to the phone, electric shock or fire.
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CAUTION

 Prohibited	Do not store or operate the phone or charger in hot, damp, or dusty areas, which can damage electrical and mechanical components. Avoid prolonged exposure to temperatures below 5°C or in excess of 35°C.
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DANGER

 Prohibited	Do not drop, shake or throw the phone or charger. Rough handling can damage internal circuit boards and the battery pack.
 Prohibited	Do not use the phone in the vicinity of volatile gases. Leave the area before using the phone. Failure to leave the area can result in the risk of fire or an explosion.
 Disassembly prohibited	Do not disassemble or modify the phone, charger, or battery. Incorrect modifications, reassembly, or tampering may result in malfunction or personal injury.

Handling the Phone

DANGER

 Prohibited	Do not use the phone while operating a vehicle.
 Compulsory	Observe local regulations for specialized areas (hospital, aircraft, etc) when using the phone.
 Prohibited	Do not use the phone near electronic equipment prone to interference. Radio frequency interference may result in electronic equipment malfunction. The following electronic equipment may be affected: Hearing aids, pacemakers and other clinical electronic devices, smoke detectors, automatic doors and other automatically controlled devices.

CAUTION

 Prohibited	Keep all storage media (magnetic cards, floppy disks, credit cards, etc.) away from the phone. Close encounters or contact can erase or damage the storage media.
 Prohibited	Keep all sharp metal objects (pins, nails, hairpins etc.) away from the phone handset. The handset earpiece contains a strong magnet that can attract and hold metal objects. Remove any objects from the handset earpiece before using, to avoid personal injury.
 Compulsory	In case of emergency, key in the emergency number (911 for example in US), then press the Talk key and let the operator know your specific location. Don't hang up until you are told to do so.

Handling the Battery

DANGER

 Prohibited	Do not dispose of the battery pack in a fire. It may explode. Check with local waste management codes for disposal instructions.
 Prohibited	Do not force the battery pack into the phone. Improper installation can cause malfunctions or damage the battery pack. This may result in fire or personal injury.
 Prohibited	Use caution in handling batteries in order not to short the battery on conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
 Disassembly prohibited	If the battery becomes too hot while recharging, it should be removed immediately from the charger.
 Compulsory	When clothes or skin are exposed to battery leakage, rinse with clean water at once to prevent skin irritation.
 Prohibited	Do not use a cracked, leaking or odor-emitting battery pack near an open flame or high temperatures.

CAUTION

 Compulsory	If a fully discharged battery is stored for a long period of time, it may not be possible to recharge the battery.
 Compulsory	Observe local waste management codes for proper battery disposal instructions.

Handling the Charger

DANGER

 Compulsory	Only use a power source that provides the appropriate voltage (AC100-240V) for the charger. An unsuitable power source can result in damage to the charger, electric shock or fire.
 Prohibited	Do not use the charger if the power supply cord or plug is damaged or frayed (exposed or broken wires, etc). This can result in the risk of fire or electric shock.
 Prohibited	Do not short circuit the charger connector jack. This may result in fire or electric shock.
 Remove power plug	In the event that liquid is spilled into the unit, immediately unplug the charger from the wall outlet to prevent fire or electric shock.

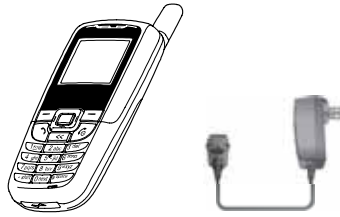
CAUTION

 Compulsory	Always unplug the charger from the wall outlet before cleaning to avoid the risk of electric shock.
 Prohibited	To avoid damage, do not place heavy objects on the cord.
 Compulsory	Always grip the power plug when removing the charger from the wall outlet. Do not pull on the power supply cord to avoid damage and the risk of electric shock.

1. GETTING STARTED

1.1 Package Contents

Please check the package contents by comparing them with the following list. If you find anything missing or if the documentation set is incomplete, contact your local phone dealer immediately



- Model C1100 (with one battery)
- Charger (one)
- User Guide (one)

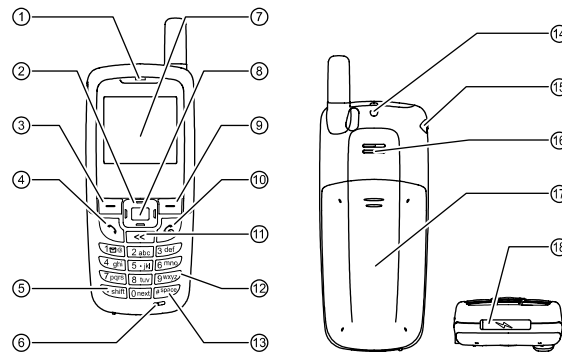
1.2 Phone Specifications

Dimensions(height × width × thickness)	102.9mm × 44.2mm × 19.2mm
Weight (including battery)	78g
Battery	Li-ion 870mAh
Charger	Input : 100-240V AC 50-60Hz 150mA Output: 5.2V DC 600mA
Charger Model	S526024A
Charging Time	maximum 3 hours

	IS 95A/B	CDMA 2000 1x
Standby Time	SCI 1, Backlight OFF, LCD OFF	SCI 1, Backlight OFF, LCD OFF
	180 Hours	270 Hours
Talk Time	-10dBm, Voice Activity 44%	-10dBm, Voice Activity 44%
	230 min	210 min

- Standby time refers to the state in which the phone is continuously on without being used for calls or moved to different service areas
- The standby time depends on the network conditions, phone usage and surrounding area. The phone consumes more battery power under the following conditions:
 - In areas with weak signals, with high or low temperatures, or when used outside the service coverage area
 - When the phone frequently searches for network signal due to location changes
 - When you talk on the phone for long periods of time
 - When features such as messaging and game are being used for a long time
 - When the alarm, backlight or vibration function is active
 - When the ringer volume is set to maximum

1.3 Handset Description



1. Earpiece
2.  Navigation Key:
Press to adjust the ringer volume, move cursor, or scroll up and down within menus
3.  Left Soft Key:
Press to perform the function indicated on the screen above it
4.  Talk Key:
Press to make or receive a call
5.  Shift Key:
Press to access master volume control (by pressing and holding the key from idle state), or to change the capitalization during text entry
6. Microphone

7. Screen

8. Select Key:

This key is used to access main menu, to confirm a selection or to switch text entry mode

9. Right Soft Key:

Press to perform the function indicated on the screen above it

10. Power Key:

Press to turn the phone on and off, to end a call, or to return to idle state

11. Back Key:

Press to return to previous screen, delete a previous character, or to access Keyguard state (by pressing and holding)

12. - Number Keypad:

Press to enter numbers and characters

13. # Key:

Press to key in “#” or insert a space

14. Slot for Hand Strap

15. Earphone Jack

16. Speaker

17. Battery Cover

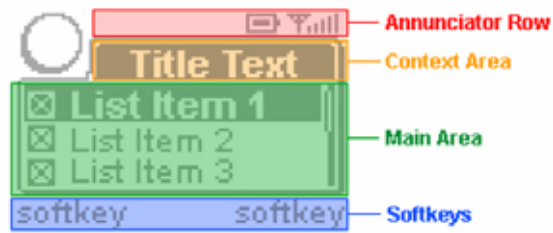
18. Charging Socket



Note: This is only a brief introduction to the keypad functions. Refer to the contents of this user guide for detailed descriptions and operations

1.4 Display Indicators

The C1100 display includes four primary areas: the top annunciator row, the context area, the main area, and the soft key area



1.4.1 Annunciators

The annunciators occupy the top row of the display area and include:

-  Indicates the current signal strength. The higher the bar, the stronger the signal
-  Indicates the battery charge level. The more blocks, the longer the battery life
-  Indicates the battery is fully charged when an adapter is plugged into the phone
-  Indicates voice call is active
-  Indicates that there is one or more voicemails present on the system
-  Indicates one or more normal unread text messages (including pages)
-  Indicates one or more urgent unread text messages (including pages)
-  Indicates vibrate mode is on. Also appears if the master volume is set to "On + Vibrate" or "Off + Vibrate"
-  Indicates silent mode is on. Also appears if the ringer volume is set to

zero or the master volume is set to "Off"

R Indicates the phone is roaming. This annunciator may blink, based on certain parameters communicated to the phone by a specific network

A Depending on network availability, this annunciator may or may not appear depending on network availability. It means that the call is secure. Voice privacy occurs only when a voice call is in session, and therefore does not appear in idle state

🔔 Indicates there is a pending alarm event. This annunciator disappears when the event has expired, unless the alarm is repeating

⌚ Indicates that a countdown is running. The annunciator disappears when the event has expired

1.4.2 Context Area

The context area contains a context icon and a context title

The context icon, a large icon appearing at the top left of the screen, is an indication of the active application. The context icon used is the same icon that is found in the main menu

The context title indicates information about the current state but not necessarily the current application: therefore, it changes within an application depending on the given state

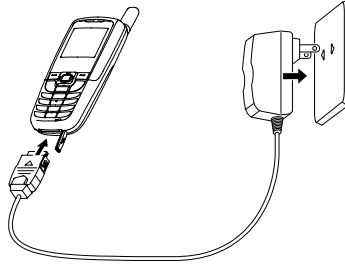
1.4.3 Soft Key Area

There are two soft keys: left soft key and right soft key. When text entry is active, the center area is used for a text indicator, displaying information about the text and case modes

1.5 Charging the Battery

When the battery power is low and needs recharging, the phone will display a note, sound a low battery alarm, and the phone will be automatically switched off. To charge the battery:

1. Connect the charger to an AC wall outlet (100-240V)



2. Connect the lead from the charger to the charging socket of the phone. If the phone is on, the battery indicator bar starts to scroll (). If the phone is off, a charging animation appears on the screen
3. Charging is complete when a sound is played and  appears on the screen. If the phone is off, the text "Battery Charged" also appears on the screen
 - If the master volume is "Off" or "Off +Vibrate" and ringer volume is set to zero, no sound will be played when the charging is complete
4. The phone takes maximum 3 hours to charge and the exact time may vary depending on the circumstances
 - When the battery is being charged, it is normal that your charger and phone become warm to the touch
 - If the phone is on while charging, you can still make and receive calls as usual, but this will consume battery power, thus extending the charging time

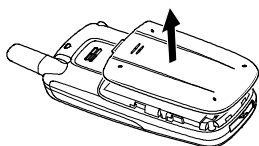
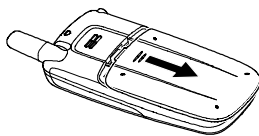
1.6 Replacing the Battery

Since battery power is easily consumed, when you find the battery power diminishes quickly after fully charging it, replace your battery by following these instructions:

1. In idle state, switch the phone off by pressing and holding  (otherwise, some user settings might be lost)

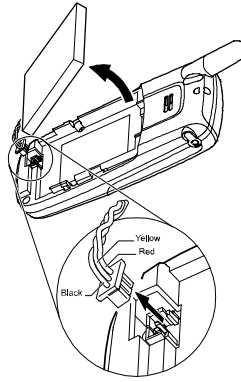
2. Remove the battery cover

With the back of the phone facing you, press the top of the battery cover and slide the cover off



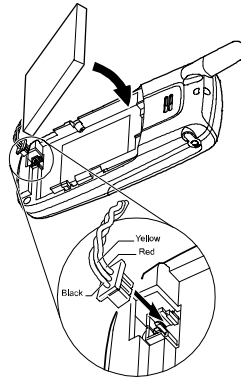
3. Remove the old battery

Disconnect the cord by firmly gripping the connector (not the battery connection cord) and pulling gently upward

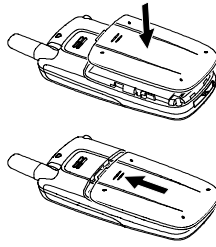


4. Install the new battery

Connect the cord of the new battery by firmly inserting the connector into its place as illustrated. Do not reverse the connector



5. Slide the battery cover until it clicks into place



1.7 Conventions in This Guide

- In this guide, “press the key” means to release the key after you press it; “press and hold the key” means to press the key for 3 seconds or longer before releasing it
- The text displayed on the screen is indicated in bold in this guide, for example **Contacts**
- Navigation Key  operations follow:

 Press the “Up”, “Down”, “Left”, and “Right” directions on the Navigation Key to execute operations such as browsing, selecting, adjusting and setup. Key directions are as follows:

					
Up	Down	Up or Down	Left	Right	Left or Right

- In many occasions, pressing  will hide a note/options menu or return to the higher level menu. During text entry, pressing  will delete the previous character

- To save battery power, when the phone is not in use, press  to return the phone to idle state. In most occasions, pressing  will immediately return to idle state. However, there are occasions an intermediary note will be displayed. In this case, follow the instructions on the screen

1.8 Accessing Main Menu Options

1. To access the main menu from the idle state, press 

Use the main menu to access all applications. Applications are represented by an icon and a title below the icon

The main menu includes the following applications:

-  Call log
-  Messaging
-  Contacts
-  Calculator
-  Settings
-  Brew
-  Voicemail
-  Clock
-  Poker

2. To reach the desired menu, press , then press  again

3. Repeat step 2 to reach the desired option and then press  to access this option

- If there is a rightward arrow beside the option, you can also press  to access this option



Note: To return to the previous menu, press . To return to idle state without changing the menu settings, press .



You can also access an application from the shortcuts if you have set the shortcuts (see “Shortcuts” on page 48). This user guide takes the accessing method from the main menu as an example to reach the desired option

2. BASIC OPERATIONS

2.1 Turning the Phone On/Off

Press and hold . The phone will display the power-on/off animation

2.2 Making a Call

1. Key in the phone number

- As you enter digits, entry proceeds left to right, top to bottom (if more than one line)
- Press  to move the cursor. Press  to delete the character or digit to the left of the cursor
- A maximum of 64 digits can be entered
- After entering the digits, press the right soft key  (**Options**) to display a menu with three items: **Save**, **Insert pause** and **Send message**. Select **Save** to save the number to Contacts (see "Storing a Phone Number to Contacts" on page 24), select **Send message** to edit a message (see "Composing Message" on page 29) or select **Insert pause** to insert a pause. Select from **Hard pause, 2 seconds** or **5 seconds**; the corresponding icon will appear on the screen

2. To call the number, press

- The number will appear on the screen. If the number is stored in your Contacts, the name will appear
- If the number includes a hard pause, a note will appear on the screen during the call. When this occurs, press the right soft key  (**Stop**) to hide the note and return to the normal active call state and cancel subsequent pauses. Press any other key except the right soft key 

and  to terminate the hard pause and continue with pause insertion as normal. Press  to terminate the call

3. To end the call, press 

- If you are in a single-party call and the number you dialed does not match any record in **Contacts**, you are given 10 seconds to press the left soft key  (**Save**) save the entry to Contacts (see "Storing a Phone Number to Contacts" on page 24). If the number you dialed matches an entry in Contacts, the phone automatically returns to idle state

2.3 In Call Operations

The phone provides a variety of functions that can be accessed during a call

To adjust the earpiece or earphone (whichever the voice channel is playing through) volume during a call, press  or  to access the **Voice Volume** menu. Press  to increase or press  to decrease the volume, then press ,  or wait for four seconds to return to the call state. The phone will save the adjusted volume level

To access your Contacts during the call, press the left soft key  (**Contacts**) to edit/search a contact (see "Contacts Application" on page 41)

During a call, press the right soft key  (**Options**) to display the following options:

2.3.1 Menu

Select this option to access the main menu

2.3.2 Mute

Select this option to mute the microphone. When activated, the **Mute** label is changed to **Unmute**, and the icon in context area changes to , indicating that the phone is in a mute state. When de-activated, the label returns to its original state. When the phone is unmuted, the standard ongoing call icon  will reappear

2.4 Missed Calls

A missed call is an incoming call that the user does not respond to. Therefore, the following calls are not missed calls, but rather incoming calls:

- Calls that are answered by the user
- Calls that are rejected by the user
- Calls that are silenced by the user

If there is one missed call, “1 Missed Call” will appear on the screen. The phone number (if known), and the Contact name (if it is stored in Contacts) will also appear. You can press the left soft key  (**Call Back**) (if the number is known) or the right soft key  (**Done**) to hide the note. If there are multiple missed calls, “X Missed Calls” appears, where X is the number of missed calls. You can press the left soft key  (**Full View**) to access the Call Log list or the right soft key  (**Done**) to hide the note

Normally the missed call note appears immediately after the missed call. However, if you're on the phone and miss a call via call waiting, the missed call note does not appear until the ongoing call is ended

2.5 Three-party Calls

This function requires network support and may vary depending on the network. Contact your local service provider for assistance

During a call, you can dial another phone number and then press  to

initiate a three-party call

2.6 Speed Dialing a Phone Number

If you know the speed dial location of the telephone number (see "Adding Contact" on page 42 for instructions on assigning a speed dial key) you want to call,

- Press and hold  to call the Voicemail number
- Press any key  -  then  to dial the phone number assigned to corresponding Speed Dial key 2-9
- Press and hold any key  -  to dial the phone number assigned to corresponding Speed Dial key 2-9
- Press a key  -  then press and hold a second key  -  to dial the phone number assigned to corresponding Speed Dial key 10-99

2.7 Receiving an Incoming Call

When you receive an incoming call, the ring tone should play (based on the Master Volume settings) and repeat as necessary. The screen displays the Caller ID, and if the Caller ID matches with a contact, then the contact information is displayed and the appropriate ring tone is played. The Default ring tone is used if no ring tone is associated with the contact or if there is no Caller ID match

- If Anykey Answer is set to **Off** (see "Anykey Answer" on page 48), press  to answer an incoming call
- If Anykey Answer is set to **On**, press any key to answer an incoming call except the **Reject** soft key, **Silence** soft key or the  key
- To reject the call, select the **Reject** soft key

- To silence the ring tone/vibrator, press the **Silence** soft key. The display still shows the call as if the call is still ringing. Therefore, the call is still active and you can still answer the phone call. Only once the call has been rerouted to voicemail or the incoming signal is terminated does the phone return to idle state

2.8 Call Waiting

Call waiting requires network support and may vary depending on the network. Contact your local service provider for assistance

While you have a call in progress, if there is an incoming call from the third party, the earpiece will sound a waiting tone. You can press  to answer the call

2.9 Keyguard

The Keyguard state prevents the keys from being accidentally pressed, resulting in unintentional operations. When Keyguard is on, the left soft key **Unlock** appears in idle state

- To access and display the Keyguard state, press and hold  in idle state. A note is displayed for 10 seconds, stating all key presses will be ignored when Keyguard is on
- To unlock the Keyguard state, press the left soft key  (**Unlock**) and then press 

In the Keyguard state,

- When any key except the left soft key  (**Unlock**) is pressed, a note appears, prompting you to press the left soft key and the  key to unlock Keyguard
- When the left soft key  (**Unlock**) is pressed, a note appears, prompting you to press the  key to unlock Keyguard



Note:

- When Keyguard is activated, you can still answer a call as usual. During the call, you can operate the phone normally. However, the Keyguard will automatically be activated when the call ends or if the call is rejected
- The Keyguard state can also be invoked from auto keyguard, a feature set in the Settings application. Auto keyguard allows you to set a trigger time for Keyguard to automatically activate (see “Auto Keyguard” on page 48)

2.10 Ringer Volume Control

Ringer volume controls currently selected ring tones and certain notification sounds played through the speaker. It excludes voice played through the speaker

To adjust the ringer volume,

1. In idle state, press 
2. There are eight volume levels. Press  to increase or  to decrease the volume. As you adjust the volume levels(non-zero), you can press the left soft key  (**Play**) to play the current selected default ring tone and the soft key's label changes to **Silence**
 - When the volume is set to zero, the silent annunciator  is shown on the annunciator row; if the annunciator was previously displayed and the volume has been changed, the annunciator disappears
 - If the volume is at the highest level, the volume level will not change when  is pressed; if the volume is zero, the volume level will not change when  is pressed
3. After completing the volume selection, press ,  or  or wait for four seconds to return to idle state. The adjusted volume level will be saved



Note: You can also access the ringer volume control from Settings

application. Refer to "Ringer Volume" on page 48 for details

2.11 Master Volume Control

This function enables you to define how the phone will notify you of events such as incoming calls, new messages/pages and alarm, countdown, notes, and so on. Master volume affects all sounds except for voice

To change the master volume:

1. Press and hold  from idle state. A check mark appears on the current setting
2. To select the desired option, press 
 - If the master volume is set to "Off",  is displayed; if the volume is changed from off to on, the annunciator is hidden (unless the ringer volume is set to zero, in which case it stays on). If the master volume is set to "On + Vibrate" or "Off + Vibrate",  appears; if vibrate is changed from on to off, then the annunciator is hidden
 - The following options are available:

On: The phone will play sounds for events

Off: The phone will neither play sounds nor vibrate for events

On + Vibrate: The phone will first vibrate and then play sounds for events

Off + Vibrate: The phone will vibrate for events
3. Press  to complete the setting



Note: You can also access the master volume control from Settings application. Refer to "Master Volume" on page 48 for details

3. STORING A PHONE NUMBER TO CONTACTS

You can store frequently used phone numbers and email addresses to the memory of the phone (Contacts). Contacts can store up to 100 contacts. Each contact may contain information such as first name, last name, home phone, work phone, mobile phone, unknown phone, pager, email, speed dial key, and ring tone

3.1 Access to Saving Contacts

You can save contact information to Contacts in the following ways:

- In idle state, key in a phone number and then press the right soft key  (**Options**). Select **Save** to save the number
- After you finish a single-party call to a number not stored in Contacts, you are given 10 seconds to press the left soft key  (**Save**) to save the number to Contacts
- Display the Call Logs (see "Accessing the Call Log List" on page 26 for instructions to display the Call Log list) and then press the left soft key  (**Save**) to save an entry in the Call Log to Contacts
- Display the message detail and then press the right soft key  (**Options**). Select **Add contact** to save the phone number to Contacts. Refer to "Add Contact" on page 35 and page 37 for additional information

To create a new contact, select **New Contact**. Refer to "Creating New Contact" on page 25 for additional information

To add the number to an existing contact, select **Update Contact**. Refer to "Updating Contact" on page 25 for additional information

3.2 Creating New Contact

After accessing the Contacts saving option as described in page 24 "Access to Saving Contacts", select the **New contact** option to add new entries into Contacts

- If 100 contacts have been saved, a note appears, stating space is not available to add a new contact and you should try deleting an old one

1. After selecting **New contact**, press  or 
2. To select the contact type, press  then press . The number will appear in the selected contact type field
3. Refer to steps 3-10 in "Adding Contact" on page 42 for additional information

3.3 Updating Contact

After accessing the Contacts saving option as described on page 24 "Access to Saving Contacts", select the **Update contact** option to update entries in Contacts

1. After selecting **Update contact**, press . The screen displays the contacts list
2. To select the contact to be updated, press  then press 
3. To select the contact type, press  then press . The number will appear in the selected contact type field
 - If you have selected a contact type whose field is not empty for the current contact, a note will display asking whether you want to overwrite it. Press the left soft key  (Yes) to continue or the right soft key  (No) to reselect a contact type
4. Refer to steps 3-10 in "Adding Contact" on page 42 for additional information

4. CALL LOG APPLICATION

The Call Log maintains a list of all calls initiated by or received by the phone. A call initiated by the phone is an outgoing call. Received calls are classified as either incoming or missed. An incoming call is a call that has either been answered or actively rejected by the user. A missed call is a call not answered by the user

Your phone records the last 20 missed, incoming and outgoing calls as well as their call details

4.1 Accessing the Call Log List

To access the Call Log list, press , then select **Call Log**.

The Call Log list defaults to showing calls of all types: missed, incoming and outgoing. When no calls have yet been made or received, or after all calls have been cleared, the phone displays “(no calls)”

You also have the ability to view only one type of call (see “Showing Call Types” on page 28 for details). The behavior of these other views is identical to that of the full Call Log view. Only the calls shown differ

The Call Logs appear in reverse chronological order. The Call Log list includes the following information:

- Icon (per call type) + name (if name is stored in Contacts), or phone number, or unknown, as applicable

Call icons include:

 Missed call

 Incoming call

 Outgoing call

4.2 Save Call Log to Contacts

In the Call Log list view, the left soft key  (**Save**) appears only when the highlighted phone number has no match in Contacts. Press the left soft key  (**Save**) to save the number to Contacts or update a number that has already been stored in Contacts (see "Storing a Phone Number to Contacts" on page 24 for detailed instructions)

4.3 Call Log Options Menu

From the Call Log list view, press  to select the desired Call Log, and then press the right soft key  (**Options**) to access the Call Log options menu

By the Call Log options menu, you can perform the following operations:

4.3.1 Viewing Call Details

To view the details for a specific call, select the desired entry from the Call Log list then press , or select **Show details** from the Call Log options menu. The call details note shows the details of the phone call in the following order:

- Icon (per call type) +name (if there is a match in Contacts)
- Phone number
- Start time of call+ Date
- Call duration – if available (not applicable for missed calls)

4.3.2 Sending a Message

From the Call Log options menu, select **Send message** to initiate the short message sending process. The number from the Call Log automatically appears in the **Recipients** box. Refer to steps 4-8 in "Composing Message" on page 29 for additional information

4.3.3 Deleting Call Log

To delete a Call Log, select **Delete** from the Call Log options menu. A note appears asking you to confirm the deletion. Press the left soft key  (**Yes**) to delete the Call Log entry or press the right soft key  (**No**) or  to return to the Call Log list

4.3.4 Showing Call Types

To set the type of call (all calls, missed, incoming or outgoing) to be displayed in the Call Log list view, select **Show call type** from the Call Log options menu. A check mark appears on the current setting. Press  to select and then press  to save the setting. The Call Log displays the selected type of call

4.3.5 Clearing Call Log List

To clear all phone numbers of the selected type from the Call Log, select **Clear list** from the Call Log options menu. A note is displayed asking you to confirm the deletion. Press the left soft key  (**Yes**) to delete the entire list or press the right soft key  (**No**) or  to return to Call Log list. For example, if you are viewing missed calls then select **Clear list**, only all missed calls are deleted

4.4 Calling from Call Log

To place an outgoing call from Call Logs, highlight the entry you want to call then press  to call the number from the Call Log list view. You can also press  or the left soft key  (**Call**) from the call details view (see "Viewing Call Details" on page 27)

5. MESSAGING APPLICATION

Select this application to read, edit, save and send short messages and pages

5.1 Composing Message

Msging→Compose

- The maximum size of a message is 140 characters
 - A message can be sent to up to 5 recipients simultaneously
1. Press  to access the main menu; select the **Msging** application
 2. Select **Compose**; the **Recipients** box is displayed
 3. Enter phone numbers directly from the keypad, or select numbers from Contacts
- To select numbers from Contacts,
 - 1) When no character is entered in the **Recipients** box, press the left soft key  (**PhBook**); if there are characters that have been entered, you still can press the right soft key  (**Options**) then select **PhBook**
 - 2) Press  or press the digit keys to search for a contact and press 
 - 3) If the contact has more than one number, pressing  will display all the numbers for the contact. Select the desired number and press  to confirm the selection. If the contact only has one number, press  to confirm the selection. The check box before the contact will be selected. If you want to enter more than one number, repeat the selection. To cancel the selection of a check box, press  again

- 4) After the selection, press the left soft key  (**Done**) to return to the **Recipients** box. The selected numbers appear in the box, with a comma and a space automatically inserted as separators between multiple numbers
 - To enter numbers directly from the keypad, refer to “Text Entry” on page 48 for text entry methods
 - To enter multiple numbers directly from the keypad, press  to enter a comma and a space before entering the next numbers
 - To correct the input, press  to delete the previous character. Press and hold  to delete all the previous characters
4. After entering the numbers of all recipients, press the left soft key  (**Next**) to access the message edit box
5. Enter the message text. The status bar displays how many characters currently exist as well as the maximum number of characters that can fit in the text body. The maximum size of a message is 140 characters
 - If you have reached the maximum size of the message and try to enter another character, the cursor does not move ahead and the character is not added
 - To enter canned messages, press the right soft key  (**Options**) then select **Canned msgs.** Press  or  to display the canned message list. Press  to select then press  to confirm the selection. The text will appear in the message edit box. If you select a canned message but the message cannot fit entirely in the message edit box (because the character count is exceeded), then the part of the message that can fit is placed in the edit box and the remaining is truncated
 - If you want to edit the recipients again, press the right soft key  (**Options**) then select **Edit recipients**
6. To mark the message as urgent, press the right soft key  (**Options**) then select **Mark urgent**

- If the current message's priority is marked as "urgent", then the **"Mark urgent"** is replaced with **"Mark normal"**
7. To preview the message, press the right soft key  (**Options**) and select **Preview**
- The preview mode displays the recipient list followed by the text of the message. If the message is marked urgent, there is an exclamation mark before the **Preview** title. To re-edit the message from the preview mode, press the right soft key  (**Options**) then select **Edit**
8. To send the message, press the left soft key  (**Send**) or 
- The left soft key  (**Send**) will not be displayed if there is no recipient in the **Recipients** box
 - After sending is complete, you are returned to the main Messaging Menu
 - If the message fails to send, the phone will prompt the error message
 - If you press , the phone will ask whether you want to save a draft. Press the left soft key  (**Yes**) to save the message to the **Draft** box or press the right soft key  (**No**) to return to idle state
-  **Note:**
- You can also compose a message in the following ways:
 - Compose a message from Call Log (see "Sending a Message" on page 27)
 - Compose a message from Contacts (see "Making Call/Creating New Message from Contact" on page 48)
 - Enter a number from the keypad directly; press the right soft key  (**Options**) then select **Send message**. Refer to steps 4-8 on pages 30-31 for additional information

- If you receive an incoming call while composing a message, you can press  to answer the call or press the soft key to reject the call. If you answer the call, the message is automatically saved to the **Draft** box if the box is not full or the "auto erase" (see "Auto Erase" on page 39) setting is on
- While composing a new message, you can press the right soft key  (**Options**) then select **Save as draft** to save the message to the **Draft** box; or **Cancel msg** to exit the message editing

5.2 Inbox

When receiving a new message (page) the phone will ring or vibrate. The message icon  (normal message) or  (urgent message) appears on the annunciator row and a note will be displayed on the standby display screen. If there is only one message, the note displays the message text directly. Press  to scroll the screen; press the right soft key  (**Done**) to hide the note. If there are multiple messages, the note displays the number of messages. Press the left soft key  (**Full View**) to access the Inbox list or press the right soft key  (**Cancel**) to hide the note

- The **Inbox** can store up to 30 messages. If the **Inbox** is 75% or 100% full, the phone will display a note prompting you to delete messages or turn on auto erase function. To avoid losing important messages in the Inbox, periodically erase some existing messages or turn on auto erase (see "Auto Erase" on page 39)
- The **Inbox** item is followed by parentheses and the number of unread messages, if any. If there are no unread messages, then no parenthesis appears. To access the message list, press . If the sender is known (either an origination or callback address is present), then the name (if there is a match in Contacts) or number (if there is no match) is displayed on the row. If the sender is not known, then the first few characters of the message is displayed
- Messages are listed in reverse chronological order according to the time the message was received. Unread messages are bolded.

Normal read messages have a  icon on the leftmost column; while normal unread messages have a  icon. Once you view a message, it is marked as read. Urgent messages, however, whether read or unread, have an exclamation mark preceding them

- If the **Inbox** is empty, “(no messages)” will be displayed
- To delete a message from the message list, press  to scroll to the intended message, and then press the left soft key  (**Delete**). Press the left soft key  (**Yes**) to confirm the deletion or the right soft key  (**No**) to cancel the deletion

To perform operations to a message, press  to scroll to the intended message, then press . Press  to view the message details. The top of the screen displays the position of the message in the list of total messages. Press  to display the message details. Press the left soft key  (**Delete**) to delete the message; press the right soft key  (**Options**) to select from the following options:

5.2.1 Reply

This option is only available if the message contains a valid sender address

Select this option to reply to the message. The steps to reply to a message are similar to those for composing a message (see “Composing Message” on page 29)

The difference is that, after you select **Reply**, the sender’s phone number automatically appears in the **Recipients** box and the cursor is in the message edit box. If the sender has set a callback number, you must choose one number from the origination number and callback number.

Pressing  or  will display the two numbers. Select one address then press  to make it appear in the **Recipients** box

5.2.2 Forward

This option, allows you to edit and forward the message. The steps to forward a message are similar to those for composing a message (see "Composing Message" on page 29). The difference is that the message automatically appears in the message edit box

5.2.3 Message Details

Message Details fields include:

- From: The origination address. The contents of the field are not matched to a name in Contacts, even if such a match exists
- Callback: If applicable, the callback number is shown
- Date: The date when the message was sent, in your chosen time format (see "Date & Time" on page 48)
- Time Sent: The time when the message was sent, in your chosen time format (12 or 24 hours, see "Date & Time" on page 48)
- Time Received: The time when the phone was alerted of the message, in your chosen time format
- Type: A text field, stating whether the message is a text message or page

5.2.4 Call

If there is both a sender's number and a callback number, after accessing this option, the **Call** option will have an arrow beside it. The arrow means that you must select between one of two phone numbers. Pressing or will display the two numbers. Select one number then press to dial the phone number

If there do not appear to be any valid phone numbers in either the callback address or the sender's address (because it is a page), then the "Call" function is not present at all

5.2.5 Add Contact

This option is only available if the number in the “From” field is not currently stored in your Contacts. Select this option to edit the sender’s address and store it to Contacts

The sender might have set the callback number. In this case, after accessing this option, choose one number from the origination number and the callback number. Pressing  or  will display the two numbers. Choose one number then press  to add the number to a contact. Refer to “Storing a Phone Number to Contacts” on page 24 for additional information

5.3 Sent

The last 50 messages you have sent are stored in the **Sent** box

To access the message list, press . If there are no messages in the **Sent** box, “(no messages)” is displayed. Messages are listed in reverse chronological order of being sent to the network. If the messages have not yet been sent to the network, then they are listed in the order of being sent by the user

The icons before each message indicate its status. There are three states:

- Normal (icon: ): No problems have been reported regarding the outgoing message. Once a message leaves the phone it is automatically set to this normal state
- Pending (icon: ): Message has not yet been sent from the phone to the network due to the lack of signal or a temporary error
- Failed delivery (icon: ): The phone has received a permanent error message regarding the delivery of the outgoing message

To delete a message from the message list, press  to scroll to the intended message, and then press the left soft key  (**Delete**). Press the left soft key  (**Yes**) to confirm the deletion or the right soft key  (**No**) to cancel the deletion

To perform operations to a message in the Sent box, press  to reach the desired message then press . Press  to view the message; press the left soft key  (**Delete**) to delete the message; press the right soft key  (**Options**) to select from the following options:

5.3.1 Forward

This option, allows you to edit and forward the message. The steps to forward a message are similar to those for composing a message (see "Composing Message" on page 29). The difference is that the message automatically appears in the message edit box

5.3.2 Message Details

The fields in message details are:

- **To:** The destination address. There may be multiple addresses in this field, all separated by a comma. All addresses in the field are not matched to a name in Contacts, even if such a match exists
- The sent state is displayed, which can be normal, pending or failed
- **Callback:** The callback number is shown if you have set the callback number (see "Callback Number" on page 38)
- **Date:** The date when the message was sent in your chosen time format (see "Date & Time" on page 48)
- **Time Sent:** The time when the message was sent in your chosen time format (12 or 24 hours, see "Date & Time" on page 48)
- **Type:** A text field, stating whether the message is a text message or page

5.3.3 Call

After reaching this option, press  to dial the number to which the message is addressed

5.3.4 Add Contact

This option is only available if the number in the "To" field is not currently in your Contacts. Select this option to edit the receiver's address and store it to Contacts

After reaching this option, press  or  to display **New contact** and **Update contact**. Refer to "Storing a Phone Number to Contacts" on page 24 for additional information

5.4 Draft

Up to 10 edited messages can be stored in the **Draft** box

The **Draft** item is followed by parentheses and the number of draft messages, if any. If there are no draft messages, then no parenthesis are shown

To access the message list, press . If there are no messages in the Draft box, "(no messages)" will be displayed. Unlike messages that have been placed in the Inbox, icons on the leftmost column will never indicate whether or not the messages have been read

To delete a message from the message list, press  to scroll to the intended message, and then press the left soft key  (**Delete**). Press the left soft key  (**Yes**) to confirm the deletion or the right soft key  (**No**) to cancel the deletion

To perform operations to a message in the **Draft** box, press  to reach the desired message then press . Press  to view the message. Press the left soft key  (**Edit**) to edit the message (see "Composing Message" on page 29 for details); press the right soft key  (**Options**) to select from the following options:

5.4.1 Send

Select this option to send the draft message

After the message has been sent, it will be deleted from the **Draft** box

5.4.2 Delete

When you access this option, “**The message will be deleted**” will appear. Press the left soft key  (Yes) to complete the deletion

5.5 Pages

The page text contains only the numeric page: no additional text is included

If the callback number is available it alone is displayed in the text; if only the origination is available, then it is displayed. The call details note, however, displays both numbers, if they are available

Functionally, the view state behaves the same, although there are some differences in the **Options** menu: “Forward” and “Reply” are not available

5.6 Messaging Settings

5.6.1 Callback Number

Msging→Settings→Callback Num

This setting allows you to set a callback number separate from the origination number, if desired

The following options are available:

- Off
- On + text body entry

If you highlight **On**, press  then enter the desired callback number in the text body

After the selection, save the setting by pressing the left soft key  (**Save**)

Default: Off

5.6.2 Delivery Confirmation

Msging→Settings→Delivery Conf

This setting allows you to turn delivery confirmation on or off. When delivery confirmation is on, the phone will display a delivery confirmation report. When off, no report will be displayed

The following options are available:

- On
- Off

Highlight the desired option and press  to confirm

Default: Off

5.6.3 Duplicate Detection

Msging → Settings → Dup Detection

This setting allows you to turn duplication detection on or off. If detection is on, all but the most recent messages of a series of identical messages are deleted. If off, the messages are not processed in any special way and simply appear as received

The following options are available:

- On
- Off

Highlight the desired option then press  to confirm

Default: Off

5.6.4 Auto Erase

Msging → Settings → Auto Erase

If an incoming text message or page is received by the phone but no enough memory to store it, Auto Erase will delete the oldest read

messages/pages in the mailbox to make room for the incoming messages/pages. Auto Erase does not apply if all the messages are unread. The **Sent** and **Draft** box will also be affected if this setting is on: if you send a message and there is no more room in the **Sent** box, the oldest message is deleted to make room for the new one

This setting allows you to turn the Auto Erase feature on or off

The following options are available:

- On
- Off

Highlight the desired option then press  to confirm

Default: Off

6. CONTACTS APPLICATION

The Contacts application allows you to store phone numbers and email addresses into your phone, and to use when placing phone calls or creating messages

6.1 Editing Contacts

The Contacts can store a maximum of 100 contacts. Each contact can store four phone numbers, one pager and one email address. You can also assign a speed dial key and ring tone for the contact

Contact Type	Notes
First Name	Maximum of 64 alphanumeric characters can be entered
Last Name	Maximum of 64 alphanumeric characters can be entered
 Home Phone	Maximum of 32 continuous digits can be entered for each phone number before a pause is entered. However, after a pause character has been entered, these fields can accept 64 characters
 Work Phone	
 Mobile Phone	
 Unknown Phone	
 Pager	
 Email	Maximum of 32 alphanumeric letters can be entered
 Speed Dial	Assigns a speed dial key for the phone number in the contact entry
 Ring Tone	Assigns a ring tone for incoming calls from the phone numbers in the contact entry

6.1.1 Adding Contact

1. Press  to open the main menu, then select **Contacts**
 - If there are no contacts, the text "(no contacts)" is displayed
 - The contacts are displayed in alphabetical order by last name
 - The Contacts list items might contain an icon. The icon is the default number/email for that contact. If there is no default setting, then no icon is displayed. For fields that cannot be completely displayed due to visual space limitation, ellipse is used. Press  to scroll the text horizontally
2. Press the left soft key  (**Add**) to go to the edit page of Contacts
3. In the **First Name** field, enter the first name of the contact. Press  to move the highlight down to the **Last Name** field, then enter the last name
 - For text entry method, refer to "Text Entry" on page 48
 - The **First Name** and **Last Name** fields contain a maximum of 64 characters
 - To correct the input, press  to delete the previous character
4. Press  to move the highlight down to the **Home phone**, **Work phone**, **Mobile phone**, **Unknown phone** and **Pager** fields. Enter phone numbers in the corresponding fields
 - These number fields contain a maximum of 64 characters including pauses. The number fields can contain only 32 digits before a pause is inserted
 - To insert a pause, press the right soft key  (**Options**) and then press  or . Select the type of pause, then press  to make the pause icon appear in the field

5. Press  to move the highlight down to the **Email** field. Enter an email address of the contact
 - Refer to "Text Entry" on page 48 for text entry methods
 - The **Email** field can contain only 32 characters
 - To correct the input, press  to delete the previous character
6. Press  to move the highlight down to the **Speed Dial** field, then press . The phone will display the current speed dial key assignment
 - Pressing  on **Speed Dial** will not respond if **Home phone**, **Work phone**, **Mobile phone**, **Unknown phone** and **Pager** fields are all empty
 - Used speed dial numbers display the name of the assigned contact after the number. The contact type icon (see the table on page 41) is displayed to the left of the name to denote the type of number that is assigned. The numbers list is an endless list from 2-99
7. Press  to select the speed dial number then press 
 - If you select a speed dial entry with a phone number already assigned to it, the phone will display a note. Press the left soft key  (**Yes**) to confirm the re-assignment or press the right soft key  (**No**) to return to the speed dial number list and reselect another entry
8. When you select an empty speed dial number or have confirmed that you will overwrite an existing speed dial number, the phone will display all the numbers for the contact. Select one phone number for which the speed dial number is assigned and then press . The **Speed Dial** field will display the assigned speed dial number and contact type
9. Press  to move the highlight down to the **Ring Tone** field, then press . A check mark will appear on the ring tone that has

currently been chosen. Press  to select one ring tone and then press  to confirm the selection

- The ring tone list is displayed alphabetically, with "Default" being the exception, listed at the top
- In the ring tone list, press the left soft key  (**Play**) to play the ring tone. To silence the ring tone, press the left soft key  (**Silence**)

10. After setting all items, press the left soft key  (**Save**) to save the information. The screen will display the detailed information of the contact

- The name field is listed in the order of [First name] [Last name]. For fields that cannot be completely displayed due to visual space limitations, ellipses are used. Press  to scroll horizontally. When the text is exhausted, a space character is inserted after the last character, followed by the first characters of the field



Note:

- You can enter the information in different fields based on needs, and then press the left soft key  (**Save**)
- After changing fields and pressing , a note will appear asking you to confirm whether or not you want to save the changes. Press the left soft key to  (**Yes**) to save the contact or the right soft key  (**No**) to return to idle state
- The minimum requirement for an entry to be stored in Contacts is a single character in **First name**, **Last name**, **Home phone**, **Work phone**, **Mobile phone**, **Unknown phone**, **Pager** or **Email**. An entry cannot contain only a ring tone. Additionally, a phone number cannot contain only a pause character
- You may lose Contacts entries because of damage, incorrect operation, static electricity or repair to the phone. Please keep a hardcopy as a backup

- For other methods to create a new contact, refer to "Storing a Phone Number to Contacts" on page 24

6.1.2 Searching Contact

1. Press  to open the main menu, then select the **Contacts** application to access the contacts list
2. Press   on the keypad to move the highlight to the last name beginning with the first letter on the corresponding numeric key
 - When the key is pressed once, the contact whose last name starts with the first letter of that key will be highlighted; if there is no such name match, the key press is ignored. When pressed twice, the name that starts with the second letter of that key will be highlighted; if there is no such match, the key presses are ignored. The third and/or fourth letter may be similarly accessed
 - If you continue to press the key, the phone keeps track of the number of times the key is pressed automatically, and the name will be highlighted accordingly
 - Press  to browse
3. With the desired contact highlighted, press  to see the detailed information: name, phone numbers, email and speed dial location. If the ring tone is not "Default", the selected ring tone is also displayed.

Press  to browse through the text

 **Note:** When the contact details are displayed, you can move the highlight to one phone number and then press  to call the phone number; or move the highlight to phone number/email and then press the left soft key  (**Send Msg**) to edit a message

6.1.3 Re-editing Contact

This feature is used for modifying a contact

1. Refer to steps 1-2 in "Searching Contact" on page 45 to find the contact to be modified
2. Press the right soft key  (**Options**) and then select **Edit** to enter the editing screen. The **First Name** field is highlighted
3. To select the item to be modified, press . Refer to steps 3-10 in "Adding Contact" on page 42 for detailed instructions
4. After changes, press the left soft key  (**Save**) to save the changes

6.1.4 Re-editing Fields in Contact

This feature allows you to modify the name/phone numbers/email/speed dial/ring tone fields in a contact

1. Refer to steps 1-3 in "Searching Contact" on page 45 to display the detailed information of the contact
 - The default phone number/email is underlined
2. Press  to move the highlight to the field to be modified
3. Press the right soft key  (**Options**) then select **Edit**
4. To enter the editing screen, press . The highlight is on the field you just selected
5. Refer to steps 3-10 in "Adding Contact" on page 42 for detailed instructions
6. After the modification, press the left soft key  (**Save**) to save the changes

6.1.5 Setting Number/Email as Default

After setting a number/email as a default for a contact, press  to dial the default number or to create a message/email addressed to the default number/email by selecting a contact directly from the contact list view. Refer to step 1 in "Making Call/Creating New Message from Contact" on

page 48 for details

1. Refer to steps 1-3 in "Searching Contact" on page 45 to display the detailed information of the selected contact
 - The default phone number/email is underlined
2. To move the highlight to the desired phone number/pager/email to be set as default, press . Press the right soft key  (**Options**) then highlight **Set as default**
 - The option of **Set as default** is unavailable if you have already set the selected phone number/pager/email as default
3. Press ; a note will be displayed asking you to confirm the selection of the default number
 - If you have already set one default number/email, the note will prompt that a previous default number already exists and whether you want to set the selected number/email as default
4. Press the left soft key  (**Yes**) to set the selected number/email as default



Note: When a default number/email is set, the contact type icon will be displayed in the contact list view

6.2 Deleting Contact

1. Refer to steps 1-2 in "Searching Contact" on page 45 to locate the contact to be deleted
2. Highlight the contact to be deleted, press the right soft key  (**Options**), then select **Delete**
3. The phone will prompt that the contact will be deleted. Press the left soft key  (**Yes**) to confirm the deletion or the right soft key  (**No**) to cancel

6.3 Erasing Number/Email/Speed Dial/Ring Tone From Contact

1. Refer to steps 1-2 in "Searching Contact" on page 45 to locate the contact whose entries are to be deleted
2. To display the detailed contact information, Press . Press  to move the highlight to the number/email/speed dial/ring tone to be deleted
 - If the ring tone is set as "Default", the ring tone entry is not displayed
3. Press the right soft key  (Options) then select **Erase entry**
4. The phone will prompt you that the entry will be deleted. Press the left soft key  (Yes) to confirm the deletion



Note: If the ring tone is deleted, the setting will be changed to "Default"

6.4 Making Call/Creating New Message from Contact

1. Refer to steps 1-2 in "Searching Contact" on page 45 to find the desired contact
 - If there is an icon preceding the contact item, it indicates a default number/email has been set. Press  to dial the default number or create an email addressed to the default email, ignoring the following steps
 - If there is no icon preceding the contact item or you want to make a call/create a message or email to another number/email, go to step 2
2. To display the detailed information of the selected contact, press 

3. To make a call, press  to highlight the desired phone number, then press .

To create a message or email, press  to highlight the desired address then press  or the left soft key  (**Send Msg**). The address automatically appears in the **Recipients** box. Refer to steps 4-8 in "Composing Message" on page 29 for additional information

7. CALCULATOR APPLICATION

This function permits 10-digit arithmetic operations, with a series of operators, both simple (for example, addition) and advanced (for example, reciprocal). The calculator also includes simple memory functions

To access the calculator application from the idle state, press  to access main menu, and then select **Calc**

The screen appears as an old-style simple calculator, with the key mappings shown on the calculator

1. The screen will initially display the number "0". Enter the first number to be calculated
 - To enter a minus sign, press ; to enter a decimal point, press 
2. Press , ,  or  to enter the plus, minus, multiplication or division signs respectively
 - To implement advanced operations, press the left soft key  (**Advanced**) and then select the desired operation
3. Enter the second number
 - To enter "0", press  and ; "0.0" will be displayed
4. To display the calculation result, press 
 - To conduct further calculations from this result, repeat steps 2-4
 - To store the calculation result in the phone, press the right soft key  (**Memory**) to open the **Memory** menu and then select **Store**. The restored value appears in parenthesis after the **Recall** item. To retrieve the memory in later operation, select **Recall** in the **Memory** menu. To clear the memory, select **Clear** in the **Memory** menu.

5. When starting a new calculation, if the result from the last calculation is not "0", press  to initialize
 - Press  to return to idle state. Contents of the current calculation are erased, but the memory is preserved
 - To delete the character you just entered, press . To erase all entered characters, press and hold 
 - A maximum of 10 digits (with or without minus sign and decimal point) can be entered at one time. The phone will ignore any additionally entered digits
 - If the formula violates mathematical principles (for example, division by zero and square root of negative number), "**Error**" will be displayed. Press  to clear this message before entering any operators and operands
 - If the calculation result is more than 11 significant digits, "**Error**" will be displayed
 - Precision number after decimal point is 6

8. SETTINGS APPLICATION

The Settings application allows you to change the following phone settings: sound, display, buttons, network, phone features, and security. An additional “about” option is available to display phone specific information

To access Settings application, press  to access the main menu then select **Settings**

Many menu entries have a right soft key labeled “Info” associated with them. The soft key only appears when the highlight is on the associated menu item. Press the right soft key  (**Info**) to view the contents; press  to scroll the screen; press the left soft key  (**Done**) or  to return to the menu

8.1 Sound

Settings → Sound

This menu allows you to set ring tones, sound effects and phone volumes

8.1.1 Ring Tones

Settings → Sound → Ring Tones

This sets the default ring tone. The default ring tone is played for all incoming calls that do not have another ring tone assigned to them in Contacts

Press  to scroll through the ring tones and press the left soft key  (**play**) to listen to a sample of each. After highlighting the desired ring tone, press  to save the setting

8.1.2 Sound Effects

Settings → Sound → Sound Effects

Any non-voice sound that is also not a ring tone is considered to be a sound effect. Traditional "clicks", "tones", and other DTMF sounds are grouped under sound effects. The sounds are played through the earphone if it is attached; otherwise they are played through the far field speaker

This setting allows you to determine how many sounds are played when the phone is in use. You can choose from only a few broad categories (you do not have complete control over each sound used)

Press  to select the desired sound effect then press  to confirm. The radio button before the current sound effect is selected

The following options are available:

- Complete: All sound effects will be played
- Alerts only: Only sound effects for missed call notification, battery, call origination failed, call dropped notes will be played
- None: No sound effects will be played

However, if the ringer volume is zero, or the master volume is "Off" or "Off + Vibrate", no sound effects will be played at all, no matter whatever the sound effects setting is

Default: Complete

8.1.3 Volumes

This menu allows you to set master volume, ringer volume, voice volume and key volume

8.1.3.1 Master Volume

Settings → Sound → Volumes → Master Volume

This function enables you to define how the phone will notify you of events

such as incoming calls, new messages/pages and alarm, countdown, notes, and so on. Master volume affects all sounds except for voice

You can also access this option by pressing and holding  from idle state. Refer to "Master Volume Control" on page 23

Press  to select the desired option then press  to confirm the selection

The radio button before the current sound effect is selected

The following options are available:

- On: The phone will play ring tone for events
- Off: The phone will neither play ring tone nor vibrate for events
- On + Vibrate: The phone will first vibrate and then play ring tone for events
- Off + Vibrate: The phone will vibrate for events

Default: On

By the master volume, you can turn on the phone vibrator. The vibrator applies only to ring tones/alerts. The volume can be on or off, and the vibrator, independently, can be turned on or off. When the volume is off but the vibrator is on, the phone is in "Vibrate" mode and the vibrate annunciator  appears. When both the volume and the vibrator are off, the phone is in "Silent" mode, and the silent annunciator  appears. These two annunciators are mutually exclusive

8.1.3.2 Ringer Volume

Settings → Sound → Volumes → Ringer Volume

You can also access this option by pressing  or  in idle state. Refer to "Ringer Volume Control" on page 22

Ringer volume controls volume control for currently selected ring tones and missed call notes, battery, call origination failed, call dropped notification sounds played through the speaker. It excludes voice(s)

played through the speaker

To adjust the volume, press . There are eight volume levels (0-7). If the value is not zero, press the right soft key  (**Play**) to listen to the volume. Press the left soft key  (**Save**) to save the setting

- When the volume is set to zero, the silent annunciator  is shown; if the annunciator was previously displayed and the volume has been changed to a non-zero value, the annunciator disappears

Default: 3

8.1.3.3 Voice Volume

Settings → Sound → Volumes → Voice Volume

You can also access this option by pressing  or  during call state. Refer to "In Call Operations" on page 18

This setting allows you to set the earpiece or earphone (whichever the voice channel is playing through) volume

To adjust the volume, press . There are eight volume levels (0-7). Press the left soft key  (**Save**) to save the setting; press the right soft key  (**Cancel**) or  to exit

Default: 3

8.1.3.4 Key Volume

Settings → Sound → Volumes → Key Volume

Select this option to adjust the key pad volume

To adjust the volume, press . There are 8 eight volume levels (0-7). Press the left soft key  (**Save**) to save the setting; press the right soft key  (**Cancel**) or  to exit

Default: 3

8.2 Display

This menu allows you to set screen properties and formatting

8.2.1 Properties

Settings → Display → Properties

This menu enables you to set the contrast, backlight timer and application timeout value

8.2.1.1 Contrast

Settings → Display → Properties → Contrast

This option enables you to specify the contrast level for the screen. After you access this option, pressing  will display the current setting in the pop-up selector

There are seven contrast levels. Press  to adjust the contrast. The screen display will reflect the contrast setting. After adjusting the contrast, press  or  to complete the setting

Default: 4

8.2.1.2 Backlight Timer

Settings → Display → Properties → Light Timer

Normally the backlight turns off after a certain period of inactivity. If off, the backlight will automatically turn on (if Light Timer is not set to "Always off") when you press keys or when the phone receives a call

After you access this option, the radio button before the current setting is selected. Press  to move the highlight then press  to confirm the selection

The following options are available:

After 10 sec

The backlight will last for 10 seconds after the last keystroke

After 30 sec

The backlight will last for 30 seconds after the last keystroke

After 60 sec

The backlight will last for 60 seconds after the last keystroke

Always off

The backlight will always be off

Always on

The backlight will always be on. When this option is set, the phone displays a warning message that the battery may drain quickly if the backlight is always on. Press the left soft key  (Yes) to confirm the setting, or press the right soft key  (No) or  to return to the backlight timer selection with the previous value selected

Default: After 10 sec

8.2.1.3 Application Timeout**Settings → Display → Properties → AppTimeOut**

This setting enables you to set the period of time before the phone returns to idle state. However, if you have added, deleted, or altered information after your arrival at the application, the phone will not automatically return to idle state

When you access this option, the radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

After 60 sec

The phone will return to idle state 60 seconds after the last action in an application

After 2 min.

The phone will return to idle state 2 minutes after the last action in an application

After 5 min.

The phone will return to idle state 5 minutes after the last action in an application

Default: After 60 sec

8.2.2 Formatting

Settings → Display → Formatting

This menu enables you to set the phone language, name order (first name, last name), date & time and banner

8.2.2.1 Phone Language

Settings → Display → Formatting → UI Lang.

This setting sets the language that appears on the phone's text display. This selection is independent of the text entry language (see "Text Language" on page 48)

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- English

- Spanish
- Portuguese

Default: English

8.2.2.2 Name Order

Settings → Display → Formatting → Name Order

This setting enables you to determine the formatting of names in Contacts and other places where contact names are displayed (for example: Call Log, Messaging)

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- First then last
- Last then first
- Last, First

Default: First then last

8.2.2.3 Date & Time

Settings → Display → Formatting → Date & Time

Date Format

This setting determines the date formatting

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- MM/DD/YYYY
- DD/MM/YYYY

- YYYY/MM/DD

Default: MM/DD/YYYY

Separator

This setting determines the date separator formatting

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- Slash “/”
- Period “.”
- Space “ ”

Default: Slash “/”

Time Format

This setting determines the time formatting

The radio button before the current setting is selected. Press  to move the highlight to the desired format then press  to confirm the selection

The following options are available:

- AM/PM
- 24 hour

Default: AM/PM

8.2.2.4 Banner

Settings → Display → Formatting → Banner

This setting enables you to edit the banner text displayed on the screen in idle state

After accessing this option, enter the banner text (up to 11 alphanumeric characters can be entered), then press the left soft key  (Save) to complete the operation. For text entry, refer to "Text Entry" on page 48

8.3 Shortcuts

Settings → Shortcuts

The shortcuts setting allows you to access an application with a single key press in idle state. You can assign shortcuts for the left soft key, right soft key, send key, left keypress and right keypress

After reaching this menu, press  to access its submenu. Press  to highlight a shortcut key then press . Press  to highlight an application to be assigned to the selected key. Press  to confirm the selection

The same application can be mapped to several keys

Default values:

- Left softKey: Contacts
- Right softKey: Msging
- Send Key: Call Log
- Left Keypress: None
- Right Keypress: None

8.4 Roaming

Settings → Roaming

This setting controls access to a roaming network

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- On
- Off

Default: On

8.5 Features

Settings → Features

This setting allow you to set phone features such as text input, any key answer, auto keyguard, call timers, touch tone and service tones

8.5.1 Text Input

Settings → Features → Text Input

This menu enables you to clear the phone dictionary, set the text entry method and the text language

8.5.1.1 Clear Dictionary

Settings → Features → Text Input → Clear Dictionary

The phone automatically adds words that you use to a personal word dictionary. You can use this setting to clear the dictionary

Press  to select this option. You will be asked whether you want to clear the personal dictionary. Press the left soft key  (Yes) to confirm or press the right soft key  (No) or  to cancel

8.5.1.2 Text Entry

Settings → Features → Text Input → Text Entry

Not all text entry modes are applicable to all text/numeric entry types; only the applicable modes are shown for a given text/numeric entry type. Refer to the table in "Default Text Modes" on page 48 for details

This setting sets the default text entry mode for unrestricted text fields

The radio button before the current setting is selected. Press  to move the highlight to the desired option then press  to confirm the selection

The following options are available:

- Multitap
- eZiText
- Numeric

For details of the text entry methods, refer to "Text Entry" on page 48

Default: Depends on type of text entry field

8.5.1.3 Text Language

Settings → Features → Text Input → Text Lang

This setting sets the text entry language for the phone. This selection is independent of phone language (see "Phone Language" on page 48)

The radio button before the current setting is selected. Press  to move the highlight to the desired language then press  to confirm the selection

The following options are available:

- UI Language
- English
- Spanish
- Portuguese

Default: UI Language

8.5.2 Anykey Answer

Settings → Features → AnyKey Answer

This setting allows you to enable/disable any-key answering. If this setting

is "On", you can answer incoming calls by pressing any key on the keypad except the **Reject** soft key, **Silence** soft key or the  key

The radio button before the current setting is selected. Press  to move the highlight to the desired option then press  to confirm the selection

The following options are available:

- On
- Off

Default: Off

8.5.3 Auto Keyguard

Settings → Features → Auto Keyguard

This setting allows you to automatically lock the keypad for a set period of time after the last action on the keypad; or you can disable the keypad to be automatically locked

The radio button before the current setting is selected. Press  to move the highlight to the desired option and then press  to confirm the selection

The following options are available:

- 30 Seconds: The keypad will be automatically locked 30 seconds after the last action
- 1 Minute: The keypad will be automatically locked one minute after the last action
- 2 Minutes: The keypad will be automatically locked two minutes after the last action
- 5 Minutes: The keypad will be automatically locked five minutes after the last action
- Off: The keypad will not be automatically locked

Default: Off

8.5.4 Call Timers

Settings → Features → Call Timers

This setting allows you to view and reset the call timers for incoming, outgoing and all calls

After you access this menu, press  to access its sub-menu. Press  to select the type of call timer then press . The total time for the given type of call appears. Press the right soft key  (Reset) to clear the time value to zero. Press the left soft key  (Done) or  to exit without changing the time value. The **All Calls Timer** cannot be cleared

8.5.5 Touchtone

Settings → Features → Touchtone

This setting allows you to change the length of the DTMF tones

The radio button before the current setting is selected. Press  to move the highlight and then press  to confirm the selection

The following options are available:

- Short: A short DTMF tone burst (key beep) will be generated regardless of how long a key press is held before releasing
- Long: It results in generation of a continuous DTMF tone that ceases only when a key press is released

Default: Short

8.5.6 Service Tones

Settings → Features → Svc Tones

With this setting on, standard tones will be played when the phone has acquired or lost a signal. The tones will play only when the phone is in idle

state, and they will be played through the speaker. The volume is scaled based on the ringer volume. If the earphone is connected, then the tones are played through the earphone, and they are scaled using the earphone volume, and further scaled by the ringer volume

The radio button before the current setting is selected. Press  to move the highlight to the desired option then press  to confirm the selection

The following options are available:

- On
- Off

Default: On

8.6 Security

Settings → Security

This setting allows you to set voice privacy, and reset the phone's settings to their original configuration

8.6.1 Voice Privacy

Settings → Security → Voice Privacy

This setting turns voice privacy on and off

The radio button before the current setting is selected. Press  to move the highlight to the desired option then press  to confirm the selection

The following options are available:

- On
- Off

Default: On

8.6.2 Default Reset

Settings → Security → Default Reset

This setting allows you to reset the phone's settings to their original configuration. No other information (such as Contacts, messages) will be erased

Press  and a note will be displayed, asking whether you want to continue to reset the default values. Press the left soft key  (**Yes**) to continue or the right soft key  (**No**) or  to cancel and return to the menu

8.7 About

Settings → About

The **About** menu displays the MDN (Mobile Directory Number), Hex ESN (Electronic Serial Number), BREW (Binary Runtime Environment for Wireless) Version and Software Version

After you access this option, press  to scroll the screen. Press the left soft key  (**Done**) or  to hide the screen and return to the **Settings** menu

9. BREW APPLICATION

This application requires network support

9.1 MobileShop

Mobileshop allows you to download your favorite ring tone, screen saver, games, etc via Application Server access

1. Press  to access the main menu then select **Brew**
2. Select **MobileShop**
 - Catalog: Shows available MobileShop application
 - Download Help: Detailed information on the downloadable application list, downloading cost, how to download, memory status and more

9.2 Settings

1. Press  to access the main menu then select **Brew**
2. Press  to move the highlight to **Settings** then press  to access the menu

9.2.1 Order Apps

To set the application order:

1. Select **Order Apps** then select a folder from the **Main Menu**, **Favorites**, **Work** or **Fun** list, then press 
2. Press  and then you will see the up and down arrow key
3. Move the application orders by pressing 

9.2.2 Move Apps

To move an application to a selected folder:

1. Select **Move Apps** then select a folder from the **Main Menu**, **Favorites**, **Work** or **Fun** list, then press 
2. Select the application to be moved to another folder
3. Select the folder where the selected application is to be saved
4. You will see a note indicating the successful moving of the application

9.2.3 Manage Apps

This menu allows you to select **Manage Apps** and the application to manage

9.2.4 Menu View

This menu allows you to select the **Main Menu** display style from the “**Small Icon**” “**Large Icon**” and “**List**” types

9.2.5 Screen Savers

This menu shows your screen savers and allows you to select screen saver images

9.2.6 View Log

This menu allows you to view the Brew application access logs

9.3 Help

This menu gives detailed explanation to help you understand how to purchase an application, how to pay and the charges

1. Press  to access the main menu then select **Brew**

2. Press  to move the highlight to **Help** then press  to access the menu

10. VOICEMAIL APPLICATION

The voicemail function requires system connection

When the phone is switched off, outside of the service area range or unavailable, incoming calls will be redirected to the voicemail system. The system will automatically answer the calls and prompt the callers to leave a message

By voicemail application, you can see how many voicemails are on the network and dial in to listen / retrieve the message(s). When there is one or more voicemails on the network, the voicemail annunciator  appears

In idle state, press  to access the main menu and then select **VMail**. The screen text indicates how many voicemails are on the network. Press the left soft key  (**Call**) to dial the voicemail server number to retrieve the message

- If there is at least 1 voicemail, you can press the right soft key  (**Reset**) to reset the number of voicemails to zero
- When there are no voicemails or you have manually reset the counter to zero, the voicemail annunciator  does not appear

11. CLOCK APPLICATION

This application enables you to set the alarms for a specified time, and use timer and countdown functions

To access the clock application from the idle state, press  to access main menu, then select **Clock**



Note: This function requires network support. If you are in places where no digital signal is available, a note stating "A signal is required for this application to begin" will display

11.1 Alarm Clock

This function enables you to activate/deactivate and review alarms for specified time. Up to three alarms can be set. Once an alarm is activated, the alarm annunciator  will be displayed

- When the preset alarm time expires, the phone will sound the alarm ringer and a note with the "Alarm" title will appear. The body of the note contains the time. The alarm will sound for two minutes and the note will remain on the screen until you dismiss it
- If the ringer volume is zero, or the master volume is "Off", no alarm ringer will be played but the "Alarm" note will be displayed when the preset alarm time expires; if the master volume is "Off + Vibrate", the phone will vibrate; if the master volume is "On + Vibrate", the phone will first vibrate and then play the ring tone
- Press the left soft key  (**Dismiss**) or  to silence the alarm and return to the state in which the note appeared. When the keypad is locked, you still can press the left soft key  (**Dismiss**) or  to silence the ring tone and dismiss the note

- After an alarm sounds, the alarm annunciator  is removed from the display, unless the alarm is repeating, in which case it remains on the screen
- If the phone is off when the alarm time expires, nothing will be displayed when the phone is powered back on
- When the alarm time expires, if a call is ongoing, a simple tone is played through the earpiece or earphone (whichever the voice channel is playing through) instead of the assigned ring tone. The simple tone will be repeated once
- A new alarm has priority over an old alarm. If an alarm is ringing, and a new one interferes, the new alarm's sound plays. However, once you dismiss the new alarm, the old alarm continues to play until the total time is two minutes, including the time it was playing before the interference that it has been playing

To set a new alarm or revise an existing alarm:

1. After accessing the clock application, select **Alarm Clock**. There are three alarms you can set. All three alarms are uninitialized upon factory installation and "None" is displayed on the screen
 - Once the alarm is initialized, there is no way to return to the uninitialized state
 - If the alarm has been initialized, the right soft key  (**Turn off/Turn on**) appears as long as the alarm time is in the future. The item contains an icon (✓ means the alarm is on and × means the alarm is off), a date (as per the date format), a separator (@) and a specified time. Press the right soft key  (**Turn on/off**) to switch between the alarm on/off states
2. Select an item and then press  to set the alarm
 - The cursor is placed at the first character of the **Time** field
3. To set the date (as per the date format), press  to highlight the **Date** field, and then press the   keys to enter the date

- If the alarm is uninitialized, the default date is the current date
 - The cursor is on the digit which is not highlighted. It will advance automatically as you enter the date
 - The year that can be set for alarm clock is 63 years later than the current time, otherwise, the phone will prompt "The date is not valid, but it can still be saved". The year range that can be saved is 1980-2115
 - The phone does not allow invalid input. If you are on the first character of the month field, and you enter a number greater than 1, then the first character of the month field will be filled with '0' and the second with the entered digit. If you have entered a 1 on the first character, then button presses with values greater than 2 will be ignored
4. To set the time, press  to highlight the **Time** field, and then press   to enter the time
- The cursor is on the digit which is not highlighted. It will advance automatically as you enter the time
 - The phone does not allow invalid input. If you enter a number greater than the allowed value on the first character of the hour or minute field, then the first character of the field will be filled with "0" and the second with the entered digit. If you enter a number greater than the allowed value on the second character of the hour field, the button presses will be ignored
 - If the time format is AM/PM, and if you want to change "AM" in the **Time** field to "PM", press  when the cursor is on "A". If you want to change "PM" in the **Time** field to "AM", press  when the cursor is on "P". The presses other than  or  are ignored. You cannot move the cursor to "M".
5. To set the repeat mode, press  to highlight the **Repeat** field and then press  to display an option menu

- The options are: **Never**, **Every day**, **Once a week**, **Every week day** or **Every weekend**. The last option is context-sensitive. If the day of the alarm falls on a week day, then the **"Every week day"** item is visible, and there is no **"Every weekend"** item. If the day of the alarm falls on a Saturday or Sunday, then the **"Every weekend"** item is visible, and there is no **"Every week day"** item
 - Press  to highlight an option and press  to confirm the selection. The currently selected value is indicated by a check mark
6. To set the ring tone, highlight the **Ringer** field then press  to display an option menu
- Press  to highlight a ring tone and press  to confirm the selection. The currently selected value is indicated by a check mark
 - If you do not set the ring tone, the default ring tone "Bells" is used
7. Press the left soft key  (**Set**) to save the setting
- If the alarm date is earlier than the current date, a note prompting "The date is not valid, but it can still be saved." appears. Press the left soft key  (**Yes**) to save or press the right soft key  (**No**) to cancel
 - If the master volume is set to "Off + Vibrate", "Alarm will not sound in Vibrate mode" appears
 - If the master volume is set to "Off" or the ringer volume is zero, "Alarm will not sound in Silent mode" appears
-  **Note:** During the setting, you can press  to move one field up or down. When you enter the date and time, press  to move the cursor and then modify the number
- Both the **Date** and **Time** fields use special restricted text entry

11.2 Timer

To set the timer function:

1. After accessing the clock application, select **Timer**
2. If the timer is stopped or has a zero value, press the left soft key  (**Start**) or  to start the timer. The left soft key changes to "**Stop**"
3. When the timer is running, you can press the left soft key  (**Stop**) or  to stop the timer
 - If the timer is running, press  to return to the **Clock** menu, or press  to return to idle state, with the timer continuing to run. If the timer is stopped and has a non-zero value, press  to return to the **Clock** menu, or press  to return to idle state, with the value saved
4. To reset the timer (a non-zero value), press the left soft key  (**Reset**)

11.3 Countdown

If a countdown is running, the  annunciator is displayed until the event has expired

- When a countdown expires, the phone will sound the countdown ring tone, and a note with the "Countdown" title will appear. The body of the note contains the duration for which the countdown was set. The alarm will sound for two minutes and the note will remain on the screen unless you dismiss it
- If the ringer volume is zero, or the master volume is "Off", no countdown ring tone will be played, however, the countdown expiry note will be displayed when the preset countdown duration expires; if the master volume is "Off + Vibrate", the phone will vibrate; if the master volume is "On + Vibrate", the phone will first vibrate and then play the ring tone
- Press the left soft key  (**Dismiss**) or  to silence the ring tone and return to the state in which the note appears

- The countdown annunciator  is removed from the display when the countdown expires
- If the phone is off when the countdown expires, nothing will be displayed when the phone is powered back on. The countdown annunciator is removed from the screen
- When the countdown expires and if a call is ongoing, a simple tone is played through the earpiece or earphone (whichever the voice channel is playing through) instead of the assigned ring tone. The simple tone will be repeated once
- When the keypad is locked, you still can press the left soft key  (Dismiss) or  to silence the ring tone and dismiss the note

11.3.1 Set Countdown

There are two cases of setting the countdown function:

11.3.1.1 When Countdown Value is Zero

If the countdown value was never set, or the timer value has been reset, the initial countdown value is zero. In this case, to set the countdown function:

1. After accessing the **Clock** application, select **Countdown**
2. Press the right soft key  (**Ring Tone**) to assign a custom ring tone to play when the countdown time has elapsed
 - Press  to highlight a ring tone and press  to confirm the selection. The currently selected value is indicated by a check mark
 - If you do not set the ring tone, the default ring tone "Bells" is used
3. Press the left soft key  (**Set**) to set the countdown duration. Key in the countdown duration in hh:mm:ss format
 - The maximum duration that can be entered for a countdown is 99:59:59 (99 hours, 59 minutes, 59 seconds)

- The tens digit for the minute and second field is restricted so that no entry above "6" is permitted
 - Press  to reset the previous character to zero. Press  to return to idle state and no changes are saved to the countdown duration
4. To save the countdown, press the left soft key  (**Save**)
- If the master volume is set to "Off + Vibrate", "Alarm will not sound in Vibrate mode" appears
 - If the master volume is set to "Off" or the ringer volume is zero, "Alarm will not sound in Silent mode" appears

11.3.1.2 When Countdown Value is not Zero

If the duration of the countdown is not zero, you can reset the duration to zero or change the ring tone by observing the following steps:

1. After accessing the **Clock** application, select **Countdown**
2. Press the right soft key  (**Options**) to reset the countdown value to zero or to change the ring tone
 - When **Reset** is highlighted, press  to reset the countdown duration to zero. Refer to "When Countdown Value is Zero" on page 48 for additional information
 - When **Ring Tone** is highlighted, press  or  to assign a custom ring tone to play when the countdown time has elapsed

11.3.2 Start /Stop the Countdown

When the countdown duration is set, press the left soft key  (**Start**) to start the countdown. When a countdown is running, the  annunciator is displayed until the event has expired

- Once the countdown is started, you can press the left soft key  (**Cancel**) to stop the countdown and reset the value to the last set duration

12. POKER APPLICATION

The poker (Video Poker) application is a game provided for your enjoyment. Video poker is a simplified version of poker, wherein you only get one "turn" to swap any desired cards with ones dealt from the deck

If the game was previously terminated by pressing  or due to application timeout, the phone automatically saves the game

1. To access the **Video Poker** application, press  to access the main menu and then select **Poker**. The screen displays the **Video Poker** graphic
 - If the phone has a saved game (that is, the game was terminated by pressing  or due to application timeout), the phone will display "Continue with saved game?". Press the left soft key  (**Yes**) to resume the game or press the right soft key  (**No**) to start a new game. If you resume the game, proceed with step 6
2. To view the payouts, press the right soft key  (**Payouts**). Press  to scroll the screen then press the left soft key  (**Done**) to hide the screen
3. To start the game, press the left soft key  (**Play**)
 - The phone displays your bank amount and current bet. If a previous game has been saved, the phone uses the saved bank amount and current bet amount
4. You can press the right soft key  (**Options**) to change the bet, view the payouts and restart a game
 - When the highlight is on **Change bet**, press  or  to access the menu. The current bet is marked with a check mark. Press 

- to select the desired bet amount then press  to confirm the change or press  to cancel the change
- Select **Payouts** to view the "win" payout table. While browsing, press  to scroll the screen. Press  or the left soft key  (**Done**) to hide the table
 - To quit the current game and restart a game, select **Game restart**. You will be asked whether you really want to start a new game. Press the left soft key  (**Yes**) to confirm the restart; or press the right soft key  (**No**) or  to cancel
5. Press the left soft key  (**Deal**). The phone displays 5 cards randomly drawn from a 52-card deck
 6. Press  to move the arrow beneath the cards then press  to select a card to be discarded. The selected card will not show its value. Repeat this step if multiple cards are to be discarded
 - To cancel the selection of the card to be discarded, press  to move the arrow then press . The card will show its value again and this card will be kept
 - You can also press the numeric keys      to discard the No. 1-5 card. Pressing the corresponding numeric key again will keep the card to be discarded
 - To restart a game, press the right soft key  (**Options**) and select **Game restart**. Press  to continue the game
 7. Press the left soft key  (**Draw**) to replace the cards to be discarded with new ones. The screen will show the game result
 - If the hand qualifies for a payout, the phone displays a "win" message and increases your bank amount accordingly
 - If the hand does not qualify for a payout, the phone displays a "lose" message and decreases your bank amount accordingly

8. To continue the game, press the left soft key  (**Continue**). The screen displays your bank amount and current bet. Repeat steps 5-8
 - If your Bank Amount falls below \$5, the screen will display the result as "**Game over**", and you can press the left soft key  (**Again**) to start a new game

13. TEXT ENTRY

The phone supports three text entry methods or modes, including numeric, multitap and eZiText

In text entry screen (for example, message edit box), press  to switch between the available modes. The current text entry mode indicator will be displayed on the screen directly above the  key:

Entry Mode	Indicator
numeric mode	123
Multitap	• Abc: Smart mode. First letter is capitalized with the remaining in lowercase • ABC: Uppercase. All letters are capitalized • abc: Lowercase. All letters are in lowercase
eZiText	• Ez: Smart mode. First letter is capitalized with the remaining in lowercase • EZ: Uppercase. All letters are capitalized • ez: Lowercase. All letters are in lowercase

In addition to the three modes, there are two general classes of text entry: unrestricted text entry, and restricted text entry. In unrestricted text entry, you are permitted the complete use of all three modes; in restricted text entry, text capabilities are limited to suit the current context (see page 48 "Restricted Text Fields" for more detailed descriptions)

In all modes of text entry, you can press  to delete the previous character

13.1 Numeric Mode

This mode is primarily used for entering phone numbers

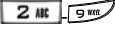
In numeric mode, the   keys are mapped directly to numbers. You are able to enter only numbers, symbols, or the space character

1. Press  to switch between the text entry modes until the visual indicator 123 appears on the screen directly above 
 - Pressing and holding  switches to alphanumeric mode; either eZitext or multitap becomes active depending on which was active last (default is multitap)
2. To enter digits, press the corresponding number keys  
 - To insert a space, press 
 - To enter a symbol, press  to display the symbol table. Use  then press  to enter the highlighted symbol

13.2 Multitap Mode

In multitap mode, you can press the same key quickly in succession to switch between the letters associated with that key. You can also press and hold the key to input its numeric value

1. Press  to switch between the text entry modes until one of the visual indicators Abc, ABC or abc appears on the screen directly above the  key
 - Pressing and holding  will display the text language selection menu. This allows you to changes input language temporarily
2. Press  repeatedly to switch between the three capitalization modes: smart mode (indicator: Abc), uppercase (indicator: ABC), lowercase (indicator: abc)

- In "smart" mode, the phone operates using basic intelligence about capitalization. The very first letter of a text entry is capitalized but the others are automatically in lowercase. When you enter a period (or an exclamation mark or a question mark) and a space, then the first letter after the space is capitalized with the remaining letters in lowercase
3. Press  to enter the corresponding letter labeled on the respective key. To enter a letter, press the corresponding key repeatedly until the letter appears
 4. After you have entered the intended letter, press any other key on the keypad to enter the next letter. If the next letter and current letter share the same key, press  or simply wait for one second to remove the highlight, and then enter the next letter. Press  to confirm the current letter input and enter a space
 5. Enter symbols and spaces: Press  to display the symbol list. Press  to highlight the intended symbol, then press  to enter this symbol. Press  to enter a space
 6. Enter digits: Press and hold the corresponding key to quickly enter the numeric value associated with each key, or press and hold the  key to switch to numeric mode and then press the corresponding key

13.3 eZiText Mode

The eZiText paradigm follows a "one button press, one character" approach. In eZiText mode, you spell out each word, pressing each button a single time for each letter. The handset attempts to guess the correct word based on word frequency data. This greatly speeds up the text entry process

1. Press  to switch between the text entry modes until one of the visual indicators Ez, EZ or ez appears on the screen directly above the  key

- Pressing and holding  will display the text language selection menu. This allows you to change input language temporarily
2. Press  repeatedly to switch between the three capitalization modes: smart mode (indicator: Ez), uppercase (indicator: EZ), lowercase (indicator: ez)
 - In "smart" mode, the phone operates using basic intelligence about capitalization. The very first letter of a text entry is capitalized but the others are automatically in lowercase. When you enter a period (or an exclamation mark or a question mark) and a space, then the first letter after the space is capitalized with the remaining letters in lowercase
 3. To enter letters, press   one time for the letters labeled on the respective key; a word matching the entered letters will be displayed automatically
 - When you enter the first letter of any English letter, "..." will be displayed. As you enter letters, the phone will automatically associate the matched English words
 - If the letter input does not correspond with any English word in the phone's dictionary, the key press will have no response
 - Press  repeatedly to delete letters from right to left
 - To enter the word "a", press  and then press . To enter the word "I", press  and then press . Press  to change the case
 4. The word just entered is highlighted. When the word is highlighted, perform the following to select a word and change upper/lowercase:
 - Select a word: If the highlighted word displayed is not desired, press the  key to view other candidates; if there are no other candidate, pressing the  key will have no response; pressing and holding the   key will accept the current candidate and enter the corresponding number

- Change upper/lowercase: Press  repeatedly to switch between the three capitalization modes
5. Enter the selected word: Press  or  to confirm the selected word and to remove the highlight; or press  to confirm the word and to add a space
 - When no word is highlighted, press  to enter a space; press  to switch text entry modes; press  to move the cursor
 6. Enter symbols: Press  to display the symbol list. Press  to highlight the intended symbol, then press  to enter this symbol
 7. Enter digits: Press and hold the corresponding key to quickly enter the numeric value associated with each key, or press and hold the  key to switch to numeric mode and then press the corresponding key

13.4 Restricted Text Fields

Some fields do not require full text-editing capabilities; restricted text fields are implemented to help enter appropriate characters and to prevent from creating error conditions such as invalid email addresses or phone numbers

The table on page 48 "Default Text Modes" lists the modes available for each text box, as well as the default mode

13.4.1 Numeric

In numeric restricted text entry, you are permitted only to insert numbers in the active text field. Therefore:

- The text mode must be numeric
- Pressing the  key is ignored; pressing and holding the key is also ignored

- A single key press, pressing and holding of  is mapped to the pound character ('#')
- A single key press of  is mapped to the star character ('*')

13.4.2 Name

In name restricted text entry, you are expected to enter a name. Since proper nouns are not in the eZitext database, you are not allowed to enter eZitext mode. Therefore:

- The text mode can be numeric or multitap (default multitap)
- The  key switches only between numeric and multitap
- Pressing and holding  in numeric mode goes to multitap
- Pressing and holding  in multitap mode is ignored

13.4.3 Email Address

In email address restricted text entry, you are expected to enter an email address. Therefore, you are not permitted to enter eZitext mode, and all the restrictions in name restricted text entry apply

Additionally, the  key is optimized for symbols relating to email entry.

The  key is remapped in multitap mode to: @ _ . # * + 1. Normally this key evokes the symbol list, but because the number of options available to the user is limited, multitap behavior here is more appropriate

13.5 Default Text Modes

This section lists which text modes are available for a given text field. The default text mode for each text field is also listed; you can change the default text field (but not the restrictions on the field) in the Settings application (see "Text Entry" on page 48)

Application	Text Field	Default Text Mode	Restrictions
Contacts	First name, Last name	Multitap	Name restricted
Contacts	Phone numbers, pager	Numeric	Numeric restricted
Contacts	Email	Multitap	Email address restricted
Messaging	Messaging Recipients fields	Numeric	Email address restricted
Messaging	Messaging text body	Multitap	Unrestricted
Idle	Pop-up number input box	Numeric	Numeric restricted

14. TROUBLESHOOTING

When using this phone, if you run into malfunctions, refer to the following troubleshooting techniques before requesting help:

Symptom	Diagnosis	Solution
The phone cannot be switched on	Have you pressed  and held it for more than 3 seconds?	Press and hold  for more than 3 seconds
	Is the battery low?	Charge the battery
Cannot make calls	Is the phone outside of service area range? Is there sufficient signal strength?	Move to an area with stronger signal
	Is the phone number correct?	Enter the correct number to make the call.
No ring	Is the ringer volume set to zero or master volume "off"?	Set different ringer volume or master volume
The battery cannot be charged. (The battery indicator bar does not scroll)	Is the charger properly connected to the phone?	Correctly connect the charger and phone.
	Is the charger connected to a 100-240V AC wall outlet?	Correctly connect the charger to a 100-240V AC wall outlet

If the malfunction symptoms are not listed in the above table, or the corresponding solution is invalid, please contact your local UTStarcom Customer Service Center.

For Technical Support and Assistance please visit the UTStarcom website

at:

<http://www.utstar.com>

Select "Support" and be directed to the Toll Free number of the UTStarcom International Professional Service Regional Center that serves your area.

Or you can call the UTStarcom North America Professional Service organization at 1-(866) 663-3266.

15. 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
- FDA CONSUMER UPDATE
- 12 MONTH LIMITED WARRANTY

15.1 Safety Information for Wireless Handheld Phones

Read This Information before Using Your Handheld Portable Cellular Telephone

15.1.1 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)

1* : American National Standards Institute.

2* : National Council on Radiation protection and measurements.

3* : International Commission on Nonionizing Radiation Protection.

15.1.2 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

15.1.3 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

15.1.4 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

15.1.4.1 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

15.1.4.2 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

15.1.4.3 Posted Facilities

Turn your phone OFF where posted notices so require

15.1.5 OTHER SAFETY GUIDELINES

15.1.5.1 Aircraft

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

15.1.5.2 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

15.1.5.3 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

15.1.6 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

 **Warning:** *DO NOT use this equipment in an extreme environment where high temperature 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 UTStarcom 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

15.2 SAFETY INFORMATION FOR FCC RF EXPOSURE

 **WARNING:** Read this information before using

15.2.1 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

15.2.2 BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 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

16. SAR INFORMATION

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

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

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.16 W/Kg and when worn on the body, as described in this user guide, is 0.798W/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-C1100

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.wow-com.com>

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

17. FDA CONSUMER UPDATE

FDA: 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 de-vices. However, the agency has authority to take action if wire-less phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function

- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

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

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

The National Institutes of Health participates in some 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 wire-less 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 pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is

because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used

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

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

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

7. 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

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

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can inter-act 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 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 re-sources:

- FDA web page on wireless phones (<http://www.fda.gov/cdrh/phones/index.html>)
- Federal Communications Commission (FCC) RF Safety Pro-gram (<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/>)

18. 12 MONTH LIMITED WARRANTY

UTStarcom/Audiovox 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) months 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, key pad, 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:

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

12 Month Limited Warranty

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

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

In addition, for reference 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 DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED

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

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential

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