

User's Guide



TX-230

WELCOME

Thank you for choosing the up-to-date TX-230, our new model, developed by top researchers to support the CDMA2000 1X system through Qualcomm-manufactured MSM6050 chips and CDMA technologies. This product allows for high speed communication services, such as web browsing, data services, and a GUI animation menu.

T9 input mode makes it much easier to enter text, while VR (Voice Recognition) makes the TX-230 more user friendly. Other proven technologies include:

- Full graphic display of 9 text input lines and 1 icon line with variable font size.
- Easy to dial through the VR feature.
- Easy to enter letters through the T9 text input mode.
- Enhanced for web browsing & data services (i.e.; wireless internet access, UP browser)
- GUI & Animation display compliant with CDMA2000 1X.
- Full graphic - Main LCD : TFT260K color wide LCD/
Sub LCD : CSTN 65K color LCD
- Navigation Key and 21 keys aligned for more convenience.
- Sophisticated features of speaker phone, and voice recognition.
- Mobile Camera (SXGA 1.3 Mega Pixel)
- Additional services of text messaging and Web browsing on top of authentication, call forwarding, call transfer, call waiting.

IMPORTANT INFORMATION

This TX-230 user guide contains very important information about how to handle and use the product.

Please read this manual thoroughly, pay attention to the warranty on the back page and be alert to the exclusions and limitations of your warranty, which are related with the unauthorized use of components.

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Chapter 1

BEFORE USING YOUR PHONE

This chapter provides important information about using the TX-230 including:

- INSIDE THE PACKAGE
- HANDSET DESCRIPTION
- BATTERY USAGE
- BATTERY HANDLING INFORMATION

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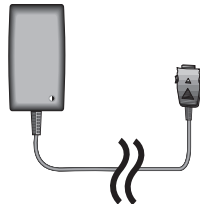
INSIDE THE PACKAGE

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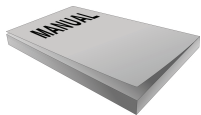
This package should include all items pictured below. If any are missing or different, immediately contact the retailer where you purchased the phone.



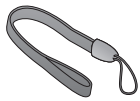
Handset



AC Travel Charger



User Manual



Handstrap



Standard Battery

6

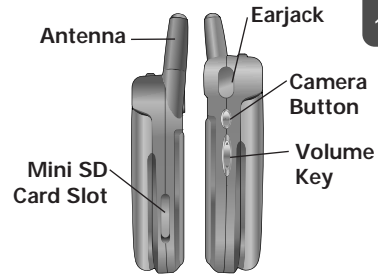
HANDSET DESCRIPTION

The TX-230 weighs 3.7oz. The dimensions are 1.83" x 4.48" x 0.97".

IC
1



Phone Speaker



Antenna

Earjack

Camera Button

Volume Key

Mini SD Card Slot



Camera Lens

Camera Flash

Sub LCD



Earpiece

LCD Screen

Navigation Key

Function Keys

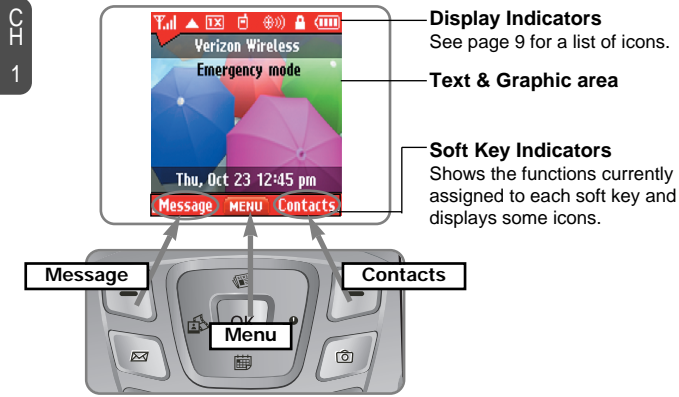
END/
Power Key

Send Key

Microphone

7

HANDSET DESCRIPTION



- Display Indicators**
See page 9 for a list of icons.
- Text & Graphic area**
- Soft Key Indicators**
Shows the functions currently assigned to each soft key and displays some icons.

THE FUNCTION KEYS

- Web Browser**
 - Get Pix & Flix**
 - Get It Now**
 - Short Cut Key**
- In Idle Mode**
- Press Up to access the Web Browser, Down to access the Short Cut Key, Right for Get It Now and Left for Get Pix & Flix.
- Inside the menu**
- Within a menu, use to scroll through menu options, or to select a function displayed on the screen.
- Press to make or receive a call.
 - Press to turn the phone on/off, to terminate a call or to return to the initial page.
 - (Left Soft Key) Press to access the message menu or function displayed on bottom line.
 - (Right Soft Key) Press to access contacts menu or function displayed on bottom line.
 - Press to clear a digit from the display or to return to the previous page. Press and hold to enable speaker phone mode.
 - Press and hold to enter etiquette mode.
 - Press and hold to enter lock mode.

HANDSET DESCRIPTION

DISPLAY INDICATORS

- Signal Strength** - Current signal strength: the more lines, the stronger the signal.
- Roaming**
Phone is out of home area.
- 1X**
Phone is in the 1x service area.
- Digital mode**
Phone is operating in digital mode.
- Voice Privacy**
Indicates "Voice Privacy" mode.
- SLI**
- Dormant**
Indicates your phone is in a dormant state during a data call. Your phone goes to Dormant mode when you have no had any activity on a page for some time - your connection is still active and now you can make and receive calls.
- No Service**
Indicates the phone cannot receive a signal from the system.
- Voice**
- Data Active**
- TTY**
Indicates your phone is in TTY mode is active.
- GPS Icon**
Indicates the Location Service of your phone is disabled/enabled.
- Locked**
Indicates your phone is locked.
- Battery**
Battery charging level - the more blocks, the stronger the charge.

HANDSET DESCRIPTION

 IC
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Alarm Only

Phone will Alarm Only when call is received.



Vibrate On

Phone will vibrate when call is received.



All Sound

Indicates the ringer volume is set to off.



Missed Call



Voice Mail

indicates you have voicemail messages.



New Message

New TXT or voice message.



Calendar Appointment

Indicates Event Alarm is active.



Data Only

Receives an async. call as a voice call.



Speaker Phone

Phone is in speaker phone mode.



Auto Answer

Phone is in answering machine mode.

BATTERY USAGE

BATTERY INSTALLATION

1

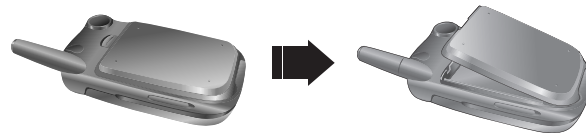
① Place the battery on the back of the handset and slide into place. ② Push the battery down until it locks into place.



BATTERY REMOVAL

1

① Pull down the release latch, lift up the battery and ② remove the battery from the handset.



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

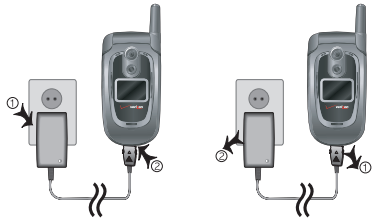
BATTERY USAGE

 IC
1

BATTERY CHARGING

POWER CONNECTION

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



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

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BATTERY USAGE

PCS AND 1X BATTERY TIMES

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

Battery Capacity	DCS	PCS
STD 1000 mAh	Up to 162 m	Up to 160 m
EXT 1700 mAh	Up to 282m	Up to 270 m

BATTERY LIFE (FOR NEW BATTERY)

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

Battery Capacity	DCS	PCS
STD 1000 mAh	190 Hours	172 Hours
EXT 1700 mAh	326 Hours	293 Hours



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

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BATTERY HANDLING INFORMATION

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1

DOs

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

DON'Ts

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

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Chapter 2 BASIC OPERATION

CH
2


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

- TURNING THE PHONE ON / OFF
- ACCESSING THE MENU
- MENU SUMMARY
- BASIC FUNCTIONS
- DURING A CALL
- MAKING AN EMERGENCY CALL
- USING THE MINI SD CARD

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TURNING THE PHONE ON / OFF

TURNING THE PHONE ON

- 1 Press and hold  until your "Power On" logo appears and the tone sounds.



- To select a logo, refer to page 59 for more details. (Settings>Displays>Wallpaper) for more detail.
- If "Password" appears on the display enter your 4-digit password to unlock your phone.
- The default password is the last 4 digit of your phone number.

TURNING THE PHONE OFF

- 1 Press and hold  until your "Power Off" logo appears.






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

ACCESSING THE MENU

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



- 1 To access the menu in the idle mode, press  [MENU].
- 2 Use the Navigation Key to scroll through the menu.
 - To search through the menu in numerical order, press the Navigation Key.
- 3 To return to the previous page, press  . To exit the current menu and return to the idle mode, press  .
- 4 Press the Navigation Key to enter a function when its main page is displayed or press its assigned number to have direct access to the function.



Hotkey

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

- Upward movement : Web Browser
- Downward movement : Short Cut Key
- Rightward movement : Get It Now
- Leftward movement : Get Pix & Flix

MENU SUMMARY

Get It Now	1. Get Tunes & Tones	1. Get New	
	2. Get Fun & Games	2. Record New	
Messaging	3. Get Pix & Flix	1. Take Pix	
		2. Take Flix	
		3. Pix Gallery	
		4. Flix Gallery	
		5. Pix Place	
Contacts	4. Get News & Info	6. Pix Service	
	5. Get Going		
	1. New Txt Msg		
	2. New Pix Msg		
	3. Inbox		
	4. Sent		
	5. Drafts		
	6. Voice Mail		
	7. E-mail		
8. Mobile IM			
Recent Calls	9. Chat		
	1. Missed		
	2. Received		
	3. Dialed		
Settings & Tools	4. All		
	5. View Timers		
	1. Tools	1. Calendar	1. Alarm 1
		2. Alarm Clock	2. Alarm 2
			3. Alarm 3
		3. World Clock	
		4. Notepad	
		5. Calculator	
		6. Stop Watch	
		1. Master Volume	1. Call Ringtone
	2. Sounds	2. Call Sound	2. Call Vibrate
			1. ERI Tones
		3. Alert Sounds	2. Txt Message
			3. Pix Message
			4. Voice Message
	4. Keypad Volume		
	5. Earpiece Volume		
	6. Service Alerts	1. Service Change	
		2. Minute Beep	
		3. Call Connect	
	7. Power On/Off	1. Power On	
		2. Power Off	
	8. Alarm Sounds	1. Alarm Tone	
		2. Alarm Vibrate	

MENU SUMMARY

3. Displays	1. Banner	1. Personal
	2. Backlight	2. ERI Banner
		1. LCD
		2. Keypad
	3. Contrast	
	4. Wallpaper	
	5. Screensaver	
	6. Display Themes	
	7. Fonts	
	8. Power On/Off Animations	1. Power On Animation
4. System		2. Power Off Animation
	1. System Select	
	2. NAM Selection	1. Auto NAM
		2. Change NAM
	3. Device Info	1. My Number
		2. SW Version
		3. Icon Glossary
	4. Location	1. Common Code
	5. Security	2. Lock Mode
		3. Edit Code
5. Call Settings		4. Special #'s
		5. Erase All
		6. Reset Phone
	6. Language	
	7. Short Cut Key	
	1. Answer Options	
	2. Auto Retry	
	3. TTY Mode	
	4. One Touch Dial	
	5. Voice Privacy	
6. Data Setting		
7. Voice Services	1. Voice Dials	
	2. Voice Setting	
	3. Voice Memo	
	4. Train Words	
6. Clock Format	8. DTMF Tones	
	1. Main Clock	
7. Ringer ID	2. Front Clock	
8. Picture ID		
9. Standalone		

BASIC FUNCTIONS

MAKING A CALL

1 Enter a phone number.



To modify the phone number you have entered :

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

To find the phone number with you'r contact list :

- To enter a part of the phone number, then press [Options], select "Search".

Phone number display in contact list

If contact's name field empty, then highest priority phone number displayed. If any phone number and name is not exist then email address diaplay. Referece "Contact display order".

All matching entries will be displayed. To call the selected number, press .

To send the txt or pix message with phone number :

- To enter a part of the phone number, then press [Options], select "Send Txt Msg or Send Pix Msg". Please refer to page 101 or page 102 for more details on "Send TXT Msg or Send Pix Msg".

2 Press .
The indicator, , appears on the display.



- If "CALL FAILED" appears on the display or the line is busy, press or .
- If you activate the "AUTO RETRY" function, the phone will automatically retry for the number of times you have selected. (refer to page 72).
- When you place or receive a call from stored phone numbers, both the name and phone number will be displayed.
- There is another way to make a call through the VR mode, which is called "VAD (Voice Activated Dialing)". Please refer to page 74 (Voice Service) for more details.
- If "Enter Lock Code" appears on the display enter your 4-digit password to unlock your phone.

3 To end a call, press .

BASIC FUNCTIONS

ANSWERING CALLS

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



To ignore incoming calls, press [Ignore].

2 To end a call, press .

SPEAKER PHONE

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

1 To activate the speaker phone in idle, answering or calling modes, press and hold .

2 The phone returns to normal (Speaker Phone Off) after ending a call or when the phone is turned off and back on.

BASIC FUNCTIONS

WAIT/PAUSE FEATURE

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

- 1 To insert a wait/pause, enter a phone number then press [OPTIONS]. Select either a Hard Pause ("P" appears) or a Wait ("W" appears).
- 2 Press to dial or to save.
Please refer to page 30 for more details about storing a phone number.

ANSWERING A CALL

- 1 To answer a call, press any key except , , , or .

- By pressing [MENU] then select "Settings & Tools" menu, press , you can select either "Flip Open", "Any Key" or "Send Only" to answer a call. If "Send Only" is selected, the phone can only be answered by pressing . See page 71 for more information.

- 2 To end the call, press .



In Auto Answer Mode a call is automatically answered after a preset number of ring tones. See page 71 for more details.

BASIC FUNCTIONS

3-WAY CALLING

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

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



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

CALLER ID FUNCTION

Identifies caller by displaying their phone number. If the caller's name and number are already stored in your phone book, they both will appear. The caller ID is stored in the call history.

CALL WAITING FUNCTION

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

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



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

BASIC FUNCTIONS

ADJUSTING VOLUME

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

- 1 Press [MENU], then select "Settings & Tools" menu, press then select one of the following.

- **Master Volume** : Controls the ringer volume.
- **Keypad Volume** : Controls the keypad volume.
- **Earpiece Volume** : Controls the earpiece volume.

- 2 Adjust volume then press [OK] to save it.



- *To adjust earpiece volume during a call, press the Navigation Key up or down.*
- *To adjust master volume, press short side up/ down key.*
- **In Idle Mode:**
Side Volume Up key Long Press: Volume key shall bring device out of silence.
Side Volume Down key Long Press: Switch between on/off sound including alarm but except speaker.

ENTER LOCK MODE

- 1 To lock the phone, press and hold .
- 2 To unlock the phone, press or [UNLOCK], then input your password, then press [OK].

- The lock feature will deactivate when the phone is powered off. Upon next power up, you will need to press to lock phone again.

DURING A CALL

To display menu options during a call, press [Options].

MUTE (UNMUTE)

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

- 1 Press [Mute].

- To deactivate, press [UNMUTE].
- The phone will automatically un-mute in Emergency Call or Callback mode.

SEND TXT MSG

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

- 1 Press [OPTIONS] .

SEND PIX MSG

Enables you to send a Pix message (MMS) during a call.

- 1 Press [OPTIONS] .

CONTACTS

To select the phone number in your internal Contact List.

- 1 Press [OPTIONS] .

RECENT CALLS

To select the phone number in your recent calls List.

- 1 Press [OPTIONS] .

DURING A CALL

SEND DTMF

Automatically transmits your phone number to a pager during a call. (Dependent on pager service)

- 1 Press [OPTIONS] .

VOICE PRIVACY

Increases security during a call.

- 1 Press [OPTIONS] .

LOCATION

Enables the network to locate your current location through Global Positioning System (GPS). (Refer to page 65 for more details.)

- 1 Press [OPTIONS] .

MAKING AN EMERGENCY CALL

The 911 feature puts the phone in the Emergency Call Mode when you dial the preprogrammed emergency number, 911. It also operates in the lock mode and out of the service area.

911 IN LOCK MODE

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

- 1 Enter "911" then press .
- 2 The call connects.
- 3 The phone exits the Lock Mode for 5 minutes.

- When the call ends, the phone returns to the Lock Mode.

911 USING ANY AVAILABLE SYSTEM

- 1 Enter "911" then press .
- 2 The call connects.
- 3 The phone maintains the Emergency Mode for 5 minutes.
 - The phone returns to the Lock Mode.
 - While the phone is in the emergency mode for 5 minutes, the phone can receive an incoming call from any available system. However, it can't make a call.

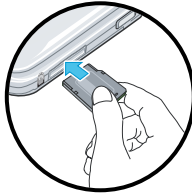


The 911 call is not recorded in the recent call list.

USING THE MINI SD CARD

INSTALLING THE MINI SD CARD

- 1** Open the card hole cover, and insert the mini SD like the arrow indicates.



Please keep mini-SD slot closed at all times whether mini-SD card is inserted or not to prevent possible damages.

REMOVING THE MINI SD CARD

- 1** To remove the mini SD card, press and release the card so that it is disengaged from the slot. Then slide it out.



- When you insert the mini-SD card, make sure contact terminals face down.
- File names storing each media in the mini SD Card are "Pix" for pictures, "Flix" for motion pictures and "MP3" for Mp3.
- Memory used for the mobile phone is not the general SD card but the mini SD cards.
- For the mini SD card contents, file names of MP3 should be less than 40 characters of English.
- Pix and Flix's file name should be less than 12 characters of English.
- Do not remove the miniSD Card while reading or writing files. Otherwise it could be damaged.
- "Mini SD" card is recognized as a mobile disk when connected to a personal computer.
- When disconnecting from PC, please remove the USB storage equipment on your PC. Otherwise, the stored files on the miniSD Card could be damaged.

Chapter 3

MEMORY FUNCTION

This chapter addresses memory functions including:

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

STORING A PHONE NUMBER

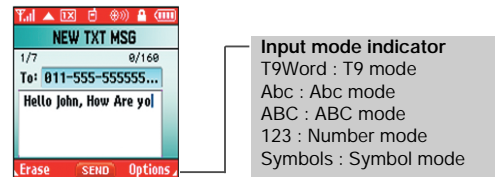
The phone book stores up to 500 entries.

- 1 Enter phone # then press [SAVE] then choose "Create New" or "Update Existing". Press [OK] to select.
- 2 If "Create New" is selected, the phone number will appear above a list. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press [OK] to select. If "Update Existing" is selected, your contact list is displayed. Choose the entry to add the phone number to, then press [OK]. You will then see the phone number listed about a list. Press [OK] to select.
- 3 Enter a name.
Please refer to page 31 for more details on entering letters, numbers & symbols.
To change the input mode, press [Abc]. Press the Navigation Key down to select other options (Mobile1.2, E-mail1.2, etc...).
If entered phone number, press [OPTIONS] to select one of the following options:
 - Set Speed Dial
 - Set Voice Dial
 - Set As Default
 - Add Pause
- 4 To store the entry, press [SAVE]. "CONTACT SAVED" will be displayed.

ENTERING LETTERS, NUMBERS & SYMBOLS

The input mode (Alpha editor) will automatically be activated when necessary to enter letters and numbers. As shown below, there are 4 available modes : Standard input mode (Abc), T9 input mode (T9Word), Numeric mode (123), and Symbol mode (Symbols).

The input mode indicator appears on the upper right of the display when letters and numbers are entered. To select the desired input mode among the 4 modes below, press [MODE], then enter letters and numbers.



The following illustrates the function assigned to each key in the Alpha Editor.

KEY	FUNCTION
Mode	Press to change mode. [T9Word][Abc][ABC][123][Symbols]
Next	Press to view the next matching word if the highlighted word is not the word you intended.
Space	Press to accept a word and add a space.
Caps Lock	Press to select a letter case of the standard text input or T9 text input mode. [Abc], [ABC] and [abc] indicate the standard text input. [T9Word], [T9WORD] and [T9word] indicate the predictive text input.
Clear	Press to delete a character to the left of the cursor.
Send	Send the letters and numbers you enter.

ENTERING LETTERS, NUMBERS & SYMBOLS

STANDARD INPUT MODE

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

- 1 Enter letters using the key pad as follows:

Key Pad	1 Time	Repetitions 2 times	Repetitions 3 times	Repetitions 4 times	Repetitions 5 times
1	.	@	?	!	-
2ABC	A	B	C	2	A
3DEF	D	E	F	3	D
4GHI	G	H	I	4	G
:	:	:	:	:	:
9WXYZ	W	X	Y	Z	9

To change the input mode, press [Abc].

- 2 To enter a space, press . The cursor will automatically move to the next column.
- 3 Repeat until letters are entered. There is a 16-letter limit.
- 4 To delete one digit, press . To delete the entire entry, press and hold .
- 5 To change from lowercase to uppercase, press .



Select Abc mode by pressing [Abc].

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

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

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

ENTERING LETTERS, NUMBERS & SYMBOLS

T9 INPUT MODE

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

- 1 Select the T9Word mode by pressing [Abc].
- 2 Press a digit key once to enter the character you want then enter all the characters to input the word you want.
- 3 To view the next matching word, press .
- 4 To accept the matching word then enter a space, press .



To enter a compound word:

- Enter the first part of the word then press to accept it.
- Enter the last part of the word then press to enter the word.



To enter "Fun fare" in the T9 input mode.

- After you enter the 1st letter, press [Abc] to select T9 mode and to choose the lower case (T9Word).

- Press and you will see "Fun" highlighted. Press to select it.

- Press and until you see "ease" highlighted. Press to select the next matching word, you will see "fare" then enter a space.

ENTERING LETTERS, NUMBERS & SYMBOLS

NUMERIC MODE

Allows you to enter numbers.

- 1 Press [Abc] and scroll to the input mode to changes to "NUM (Numeric mode)".
- 2 To enter a number, press a digit key.

SYMBOL MODE

Allows you to enter symbols.

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

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

Press [],

or

Press []
 or
 Press [].



MAKING A CALL THROUGH THE PHONE BOOK

ONE-TOUCH/TWO-TOUCH DIALING

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

ONE-TOUCH DIALING:

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

TWO-TOUCH DIALING:

10-22/97-99 : Press the first digit and second digits of the memory number short and long respectively.



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

MEMO

Chapter 4

MENU FUNCTION

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

- CONTACTS
- RECENT CALLS
- SETTINGS
- TOOLS

CONTACTS

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

NEW CONTACT

Adds a new entry.

- 1 Press [MENU], then select "Contacts" menu, then press "New Contact".
- 2 To enter a name or number, use the Navigation Key to select the phone book field.

PHONE BOOK FIELDS :

- Name/Mobile1/Home/Work/E-Mail1/Group/Picture/Ringtone/Mobile2/Fax/E-Mail2.
- Under "Mobile 1" or "Mobile 2", input the phone number, then by press [OPTIONS], you can choose from the following:
 1. Set Speed Dial
 2. Set Voice Dial
 3. Set As Default
 4. Add Pause

Please refer to page 31 for more details on entering letters, numbers & symbols.

- 3.1 To save the entry, press [SAVE].
- 3.2 To return to the previous page, press [CLR].



- If user not input at least one field among number, e-mail then display "Please insert at least one of phone number or E-mail" in dialogue box.
- If name field is empty in edit contact but one of phone number field inserted then saved so display phone number in contacts list.

CONTACTS

CONTACT LIST

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





- 1 Press [MENU], then select "Contacts" menu, then press "Contact List" or press [CONTACTS].
- 2 The list of names in your phone book is displayed alphabetically.
- 3 Enter a name or its character string or scroll through the list with the Navigation Key. Please refer to page 31 for more details on entering letters, numbers & symbols.
- 4 To edit the entry, press [EDIT]. To show detail the entry, press [VIEW]. Press [OPTIONS] to 1. New Contact, 2. Erase, 3. Send Txt Msg, 4. Send Pix Msg or 5. Call.
- 5 To call the selected number, press [OPTIONS] then select "Call" or press .

CONTACTS




GROUPS

Allows you to classify phone entries into groups. Existing groups include FAMILY, WORK. A maximum of 30 groups is allowed. Predefined group that can't rename or Erase. User can add group max 28 group. Allows the user to add group up to 10 phone number. The user can add, change, and erase Group.

ADD NEW GROUP





- 1 Press  [MENU], then select "Contacts" menu, then press  "Groups".
- 2 To select "New", press  [NEW].
- 3 Input a new group name.
- 4 To save it, press  [SAVE].

ASSIGN PHONE NUMBER TO GROUP








- 1 To assign phone numbers to a Group, select "Add", press  [OPTION].
- 2 "unassigned" locations appear. Select a location and press  [OK]. Your phone book entries will be displayed in alphabetical order.
- 3 Select the contact for the group then press  [DONE]. "Contact Added to (Group Name)" will be displayed. Repeat for each location for the Group.

CONTACTS

CHANGE GROUP NAME

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

SEND TXT MSG. GROUP

- 1 Press  [MENU], then select "Contacts" menu, then press  "Groups".
- 2 Select an existing group name with the Navigation Key.
- 3 To select "Send Txt Msg.", press  [OPTIONS].
- 4 Input a "Message", press  [OPTION] to select "Save as Drafts", "Call Back #" and "Priority Level".
- 5.1. To send the text message, press  [SEND].
- 5.2. To save the text message, press  [OPTIONS] then select "Save as Drafts", then press  [OK].

CONTACTS

SEND PIX MSG. GROUP

- 1 Press [MENU], then select "Contacts" menu, then press "Groups".
- 2 Select an existing group name with the Navigation Key.
- 3 To select "Send Pix Msg", press [OPTIONS].
- 4 Input a "Text", "Picture", "Sound", "Subject", press [OPTION] to select "Preview", "Add Quick Text", "Save as Drafts" and "Priority Level".
- 5 5.1. To send the pix message, press [SEND].
5.2. To save the pix message, press [OPTIONS] then select "Save as Drafts", then press [OK].

ERASE GROUP

- 1 Press [MENU], then select "Contacts" menu, then press "Groups".
- 2 Select an existing group name with the Navigation Key.
- 3 To select "Erase", press [OPTIONS].
- 4 Select "Yes" to erase it, press [OK].

CONTACTS

SPEED DIALS


In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the location number on the key pad. For a 2-digit location number, press the first number, then press and hold the second number.




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

 - "Unassigned" appears if the location is available.
 - To call an assigned number, press & hold the last digit of the speed dial #.
- 4 "SPEED DIAL SET" will be displayed.

RECENT CALLS


MISSED

Displays information about the 20 most recently missed calls.
Place a call to a missed call number by simply pressing .

- 1 To see a list of the 20 most recently missed calls, press  [MENU], then select "Recent Calls" menu, press  "Missed". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view missed call details, press  [OPEN].




Call details include date, time and phone number.

- 3 Press  [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.


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






- After 20 missed calls, the oldest call will automatically be erased from the history.
- Press  [MESSAGE], to send the Txt or Pix message.

RECENT CALLS


RECEIVED

Displays information about the 20 most recently answered calls.
Place a call to a received call by simply pressing .

- 1 To see a list of the 20 most recently answered calls, press  [MENU], then select "Recent Calls" menu, press  "Received". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.
- 2 To view incoming call details, press  [OPEN].




Call details include date, time and phone number.

- 3 Press  [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.


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






- After 20 received calls, the oldest call will automatically be erased from the history.
- Press  [MESSAGE], to send the Txt or Pix message.

RECENT CALLS

DIALED


Displays information about the 20 most recently dialed numbers. Place a call to a dialed call by simply pressing .

- 1 To see a list of the 20 most recently dialed numbers, press  [MENU], then select "Recent Calls" menu, press  "Dialed". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

- 2 To view dialed call details, press  [OPEN].




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

- 3 Press  [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

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






- After 20 dialed calls, the oldest call will automatically be erased from the history.
- Press  [MESSAGE], to send the Txt or Pix message.

RECENT CALLS

ALL


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

- 1 To see a list of the 60 most recent incoming, outgoing and missed calls, press  [MENU], then select "Recent Calls" menu, press  "All". If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

- 2 To view details, press  [OPEN].




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

- 3 Press  [OPTIONS] and select "SAVE" to save it or select "Erase" to delete it.

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








- After the 20 received, dialed or missed calls, the oldest call will automatically be erased from the history.
- Press  [MESSAGE], to send the Txt or Pix message.

RECENT CALLS

VIEW TIMERS

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

- 1 Press  [MENU], then select "Recent Calls" menu, press  "View Timers".
- 2 To reset the timer, press  [RESET], then select "Yes", press  .
To return to the previous page, press  [OK].




SETTINGS



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

SOUNDS

MASTER VOLUME

Controls the Ringer volume and alerts you to incoming calls in the modes listed in the gray box below.

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

- All Off
 - Alarm Only
 - Vibrate Only
 - Low, Med Low, Med, Med High, High.
 - Press  to play sound.
- 3 Select one of the available ring types.
To confirm, press  [OK].

SETTINGS

CALL SOUND

To select a ringer type for incoming calls:

CALL RINGTONE

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Call Sound", press "Call Ringtone".
- 2 Select your desired ringer type.
 - **Up or Down key** : Select "Ringer".
 - Press Play/Pause to Play/Pause the ringer.
- 3 Select one of the available ring types. To confirm, press [OK].

CALL VIBRATE

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

SETTINGS

ALERT SOUNDS

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

ERI TONES

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Alert Sounds", press "ERI Tones".
- 2 Select "Beep", "Voice" or "Off" with the Navigation Key then press [OK] to save it.

TXT MESSAGE

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

SETTINGS

PIX MESSAGE

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

VOICE MESSAGE

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

SETTINGS

KEYPAD VOLUME

To adjust key pad tone:

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Keypad Volume".
- 2 Select one of the following options by pressing the Navigation Key to the right.
 - Off
 - Low, Med Low, Med, Med High, High
- 3 Select one of the available ring types. To confirm, press [OK].

EARPIECE VOLUME

To adjust earpiece volume:

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Earpiece Volume".
- 2 Select one of the following options by pressing the Navigation Key to the right.
 - Low
 - Med Low, Med, Med High, High
- 3 Select one of the available ring types. To confirm, press [OK].

SETTINGS

SERVICE ALERTS

SERVICE CHANGE

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

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Service Alerts", press "Service Change".
- 2 Select "On" or "Off" with the Navigation Key then press [OK] to save it.

MINUTE BEEP

Sounds an alert every minute during a call.

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

CALL CONNECT

Notifies you that a call has been successfully placed.

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

SETTINGS

POWER ON/OFF

POWER ON

Allows you to activate/deactivate the power on tones.

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

POWER OFF

Allows you to activate/deactivate the power off tones.

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

SETTINGS

ALARM SOUNDS

To select a ringer type for alarm sound:

ALARM TONE

- 1 Press [MENU], then select "Settings & Tools" menu, press "Sounds" then select "Alarm Sounds", press "Alarm Tone".
- 2 Select your desired ringer type.

- **Up or Down key** : Select "Ringer".
- Press Play/Pause to Play/Pause the ringer.

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

ALARM VIBRATE

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

SETTINGS

DISPLAYS

Allows you to customize the display.

BANNER

To input a personal/ERI banner greeting:

PERSONAL

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

- 1 Press [MENU], then select "Settings & Tools" menu, press "Displays" then select "Banner", press "Personal".
- 2 Enter a new personal greeting.
To change the input mode, press [Abc].
To return to the previous page, press [CANCEL].
- 3 Press [OK] to save it.

ERI BANNER






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

SETTINGS






BACKLIGHT

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

LCD

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "Displays" then select  "Backlight", press  "LCD".
- 2 Select one of the following options with the Navigation Key.
 - Always On, Always Off, 5 Seconds, 15 Seconds, 30 Seconds.
- 3 Press  [OK] to save it.





KEYPAD

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "Displays" then select  "Backlight", press  "Keypad".
- 2 Select one of the following options with the Navigation Key.
 - Always On, Always Off, 5 Seconds, 15 Seconds, 30 Seconds.
- 3 Press  [OK] to save it.







SETTINGS

CONTRAST

To adjust the display contrast:

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "Displays" then select  "Contrast".
- 2 Select one of the following options with the Navigation Key.
 - Level 1 ~ Level 5
- 3 Press  [OK] to save it.

WALLPAPER

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "Displays" then select  "Wallpaper".
- 2 Select Default to choose a pre-installed display, Downloads or Pix # to choose a display you have downloaded to your phone. To launch "BREW", press  [GET NEW]. To expand selected image, press  [VIEW].
- 3 Select a display from the Animation and the Graphic list using the Navigation Key and press  [SET] to save it.

SETTINGS

SCREENSAVER

- 1 Press **[OK]** [MENU], then select "Settings & Tools" menu, press **[3DEF]** "Displays" then select **[5%]** "Screensaver".
- 2 Select Default to choose a pre-installed display, Downloads or Pix # to choose a display you have downloaded to your phone.
To launch "BREW", press **[>]** [GET NEW].
To expand selected image, press **[<]** [VIEW].
- 3 Select a display from the Animation and the Graphic list using the Navigation Key and press **[OK]** [SET] to save it.

DISPLAY THEMES

- 1 Press **[OK]** [MENU], then select "Settings & Tools" menu, press **[3DEF]** "Displays" then select **[6AND]** "Display Themes".
- 2 Select one of the following options with the Navigation Key.
 - Theme 1 ~ Theme 4
- 3 Press **[OK]** [OK] to save it.

FONTS

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

SETTINGS

POWER ON/OFF ANIMATIONS

POWER ON ANIMATION

Allows you to the power on animation.

- 1 Press **[OK]** [MENU], then select "Settings & Tools" menu, press **[3DEF]** "Displays" then select **[8TWR]** "Power On/Off Animations", press **[12-]** "Power On Animation".
- 2 Select one of the following options with the Navigation Key.
 - Animation 1
 - Animation 2
- 3 Press **[OK]** [OK] to save it.

POWER OFF ANIMATION

Allows you to the power off animation.





- 1 Press **[OK]** [MENU], then select "Settings & Tools" menu, press **[3DEF]** "Displays" then select **[8TWR]** "Power On/Off Animations", press **[2REC]** "Power Off Animation".
- 2 Select one of the following options with the Navigation Key.
 - Animation 1
 - Animation 2
- 3 Press **[OK]** [OK] to save it.

SETTINGS

SYSTEM

SYSTEM SELECT

Selects the Preferred System.

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "System Select".
- 2 Select one of the following options with the Navigation Key.
 - Automatic B
 - Automatic A
 - Home Only
- 3 Press  [OK] to save it.






SETTINGS

NAM SELECTION

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






AUTO NAM

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

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "NAM Selection", press  "Auto NAM".
- 2 Select "Yes" or "No" with the Navigation Key then press  [OK] to save it.

CHANGE NAM

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

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "NAM Selection", press  "Change NAM".
- 2 Select one of the following options with the Navigation Key.
 - NAM 1 - VERIZON
 - NAM 2 - VERIZON
- 3 Press  [OK] to save it.






SETTINGS

DEVICE INFO

Displays the information of your phone:






MY NUMBER

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

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "Device Info", press  "My Number".
- 2 You are to see the MDN/MIN number and provider name.
- 3 To return to the previous page, press  [OK].






SW VERSION

Displays the (Software/PRL/ERI/Browser/Get It Now) version.

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

ICON GLOSSARY





Displays the Indicator Icons of your cellular telephone.

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "Device Info", press  "Icon Glossary".
- 2 You are to see the Indicator Icons of your cellular telephone.
- 3 To return to the previous page, press  [OK].

SETTINGS

LOCATION

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

- 1 Press  [MENU], then select "Settings & Tools" menu, press  "System" then select  "Location".
- 2 Select one of the following options with the Navigation Key.
 - Location On
 - E911 Only
- 3 Press  [OK] to save it.

SETTINGS

SECURITY

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

COMMON CODE

- 1 Press [MENU], then select "Settings & Tools" menu, press "System" then select "Security", then enter your password, press [OK].

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

- 2 Select "Common Code".
- 3 Select "On" or "Off" with the Navigation Key then press [OK] to save it.

LOCK MODE

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

- 1 Press [MENU], then select "Settings & Tools" menu, press "System" then select "Security", then enter your password, press [OK].

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

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

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

- 4 Press [OK] to save it.

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SETTINGS

EDIT CODE

Changes your Device/Location 4-digit password.

- 1 Press [MENU], then select "Settings & Tools" menu, press "System" then select "Security", then enter your password, press [OK].

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

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

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