

Contents

FOR YOUR SAFETY	2
UNPACKING	6
YOUR PHONE	7
GETTING STARTED	18
GENERAL FUNCTIONS	23
IN-CALL OPTIONS.....	28
TEXT INPUT TIPS.....	30
USING PHONEBOOK	32
MESSAGES	34
CALL HISTORY	39
SETTINGS.....	41
MULTIMEDIA.....	53
TOOLS.....	56
SERVICES.....	59
FILE MANAGER.....	62
USING BATTERIES	65
MENU MAP	67

For Your Safety

For your safety, please refer to the guideline prior to using the phone. Failure to comply with the guidelines may cause malfunctions or be hazardous to the user.

ROAD SAFETY COMES FIRST

Please be careful not to use the phone while driving. In case you need to use the phone, please pull over your vehicle first. In some countries, it is illegal to use a wireless phone while driving. Also, it is recommended to avoid using a mobile phone while refueling at a gas station

SWITCH OFF IN AIRCRAFT

Mobile phones may cause interference to the aircrafts navigation system. Please make sure the phone is in flight mode on or switch off mode while in the airplanes.

RESPECT SPECIAL REGULATIONS

Please follow special regulations in any areas wherever it is applicable. It is recommended to switch off your phone whenever it is illegal to use, or when it may cause interferences, such as hospitals.

INTERFERENCE

All mobile phones may be subject to radio interference, which may affect the performance during calling and receiving.

QUALIFIED SERVICE

It is highly recommended to have a repair service by

qualified service personnel. Use only the approved accessories and batteries.

USE PROPERLY

Use only in the normal position (hold to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

EMERGENCY CALLS

When making an emergency calls, please ensure that the phone is switched on and is in service. Enter the emergency number (Official Emergency Number or another official emergency number) and press the [Send Key]. Inform your current location. Do not end the call until given permission to do so. You may end the call by pressing the [End Key].

OPERATING ENVIRONMENT

- Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).
- Operation of any radio-transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a doctor or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.
- As with other mobile radio-transmitting equipment, you

are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.

- Always switch off the phone when refueling (service station). You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- Switch off your cellular phone when in aircraft. The use of cellular phones in aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.

CARE AND MAINTENANCE

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill the warranty obligations and enjoy this product for many years.

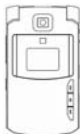
- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids containing minerals will corrode the electronic circuits.
- Do not use or store the phone in dusty, dirty areas as its

components may get damaged.

- Do not store the phone in warm areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal temperature, moisture can form inside the phone, which may damage the electronic circuits.
- Do not attempt to open the phone's casing. Non-expert handling of the phone may cause damages to your phone.
- Do not drop or knock the phone. Rough handling may damage the internal circuits.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe out with a soft cloth slightly dampened in mild, soapy water.
- If the phone or any of its accessories are not working properly, take them to your nearest qualified service center. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

Unpacking

Thank you for purchasing this product. Please check the product contents to see if you have all the available items as below. (*Images may vary from the actual product in your package.)



Handset



Battery



User Manual



Ear/Microphone



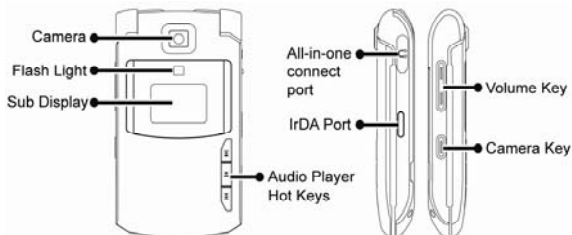
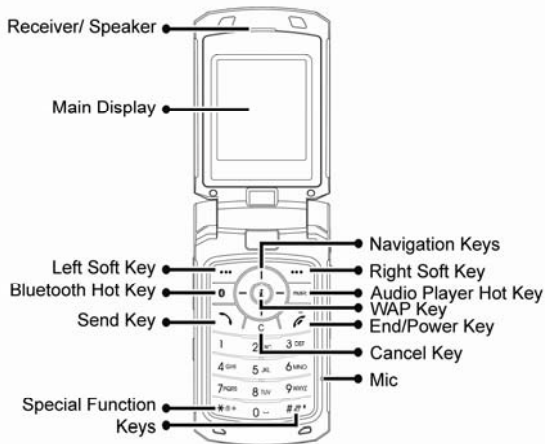
micro SD (T-Flash) Card
(optional)



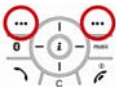
Travel Charger

Your Phone

PHONE LAYOUT



KEY DEFINITION



Soft Keys

Perform functions identified by left/right display prompt.

Right button: Cancel numbers & letters when you make a call or input letter for phonebook, message or WAP.

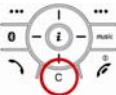


Navigation Keys

Scroll through the menu options.

Move the cursor up and down in the normal editing mode.

Move the cursor to left and right in all editing mode.



Cancel Key

- Clear: Cancel a text input

- Back: Go back to previous page



Send Key

Dial or answer a call.

Recall the last call numbers in the idle mode.

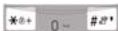


Power on/off Key & End Key

End a call.

Switch the phone on and off. (press this key and hold)

Cancel your input in the menu facility and return to the idle mode.



Alphanumeric Keys

You may enter numbers, letters and special characters.

It changes camera settings in camera mode.

Special Function Keys

Enter Special Characters / Perform Various Functions

Side Key(On the right side of your phone)

Adjust the Keypad Tone volume in idle mode.

Flash light on or off in idle mode by pressing and holding the key.

Adjust the earpiece volume during a call by pressing briefly.

Start “voice recording” during a call by pressing and holding the side key (up).

Stop “voice recording” by pressing the [Stop] soft key.

Adjust the Audio Player volume.

Move through months in calendar mode.

SHORTCUTS



Left: Access to “Write Message”

Right: Access to “Calendar”

Up: Access to “Tone Setup”

Down: Access to “Wallpaper”

from an idle mode

You may dedicate the left navigation key for favorite menu in ‘Dedicated key’ setting menu

(Menu > 4.Settings > 1.Phone Setup > Dedicated Key)



WAP Key

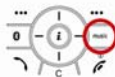
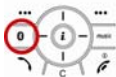
Access to WAP menu (press shortly), and launch WAP browser (press and hold).

Camera Shutter

In camera and video preview mode, works as a shutter.

Bluetooth

Access to Bluetooth menu.



Access to Audio Player.



Camera Hot Key (side)

Press and hold to start the camera preview mode.

In camera and video preview mode, works as a shutter.



Front MP3 Hot Keys

Up: go to the next music.

Center:

- Press and hold the key to launch the Audio Player.
- Press shortly to play and pause the music. Press and hold to stop the player.

Down: go to the previous music.



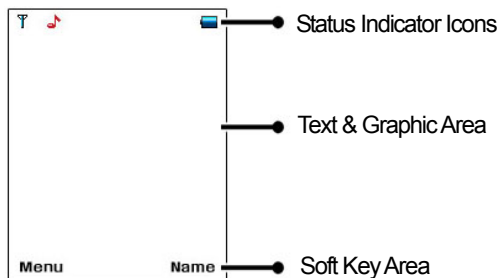
To activate the “Keypad Lock”, press this key and hold.



To activate the “Silent Mode” option, press this key and hold.

DISPLAY LAYOUT

The idle screen display includes three areas.



ICONS

Icon	Description
	Signal Strength: Shows the strength of the receiving signal. Greater the number of bars, stronger the signal strength.
	GPRS: Shows the strength of the receiving GPRS signal. Greater the number of bars, stronger the signal strength.
	GPRS Connect: Appears when you connect to GPRS.
	Roaming: Appears when the phone is roaming.



L1, L2: Some SIM cards support two phone numbers and you can switch the number (line) with this feature. The phone will display this icon when you set a line.



Missed Calls: Appears when there is missed call(s).



New Message: Appears when a new incoming text message is received and is unread.



MMS Unread: Appears when a new MMS message is arrived and unread.



MMS Busy: Appears when MMS is busy, while receiving and sending a message.



Broadcast Message: Appears when Broadcast Message receive mode is active..



WAP Mail: Appears when WAP mail is received.



Call Barring On: Appears when the call barring mode is active.



Call Forward: Appears when the call forward mode is active.



IrDA: Appears when the IrDA port is activated.



Bluetooth: Appears when the Bluetooth Mode is on. It has to be on, if you want to use the Bluetooth function. When you finish using, turn off the Bluetooth Mode



Bluetooth Headset: Appears when the Bluetooth Stereo Headset/ Mono Headset/ Hands-free is connected.



Bluetooth File Transfer: Appears when the Bluetooth FTP and OPP (vCard) is connected.



Ring: Appears when the Ring mode is active.



Vibrate and Ring: Appears when the Vibrate and Ring mode is active.



Vibrate then Ring: Appears when the Vibrate then Ring mode is active.



Vibrator On: Appears when the Vibration mode is active.



Silent Mode: Appears when the silent mode (manner mode) is active.



Alarm On: Appears when you set the alarm.



Stopwatch: Appears when you set the stopwatch.



Lock: Appears when you set the phone lock.



Battery Strength: Shows the level of your battery. The more bars you see, the more power you have left.

PHONE FEATURES

H/W Features

Feature	Description
Dimension	50 x 92 x 14.9 mm
Main LCD	2.0" 262K TFT LCD(176x220)
Camera	1.3 Mega Pixel CMOS
Flash Light	Yes
Speaker	Single Loud Speaker
Vibrator	Built-in Vibrator
Antenna	Internal
Phone Memory	60MB
SIM	3V
IrDA	Yes
Bluetooth v1.2	A2DP (Stereo music), HFP (Hands-free), HSP (Headset), DUN (Dial-up Network), FTP, OPP (vCard)

microSD (T-Flash) Card (Optional)	※ Use only genuine microSD (T-Flash) cards approved & specified by the SD Card Association and SanDisk: http://www.sdcard.org
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SW Features

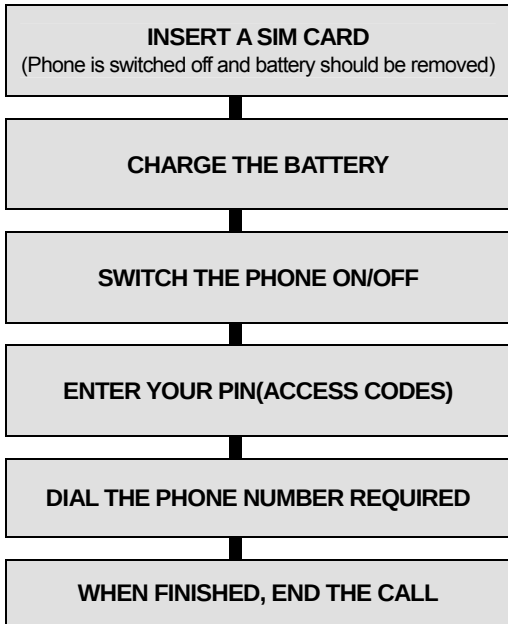
Feature	Description
RF	GSM850, PCS1900
GSM / GPRS	GSM Phase 2 & 2+ / Class 8 GPRS
Message	MMS / EMS / SMS
WAP	WAP 2.0 (Obigo Browser)
Java	CLDC1.1 / MIDP2.0 / JSR120, JSR135, JTWI
DRM	DRM 1.0
Text Input	T9 Intelligent Text Input, Multitap
Video	MPEG4 Encoder / Decoder
Wallpaper	Pictures and user definable JPG, GIF, BMP

Sound	Audio Player MP3, MID, WAV, AMR, iMelody Sound Recorder (AMR, WAV)
Games	Fun Games
Phonebook	300 Entries in Phonebook
Tools	Calendar, To-Do, Alarm, World Clock, Calculator, Unit Converter, Currency Converter, Health Tools, Stopwatch

Getting Started

YOUR FIRST CALL

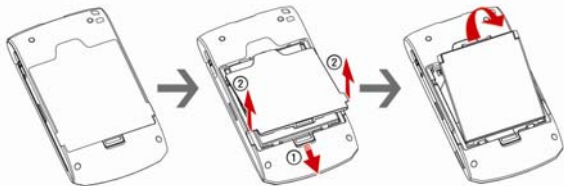
Please refer to the following diagram that describes the main steps to make a first call.



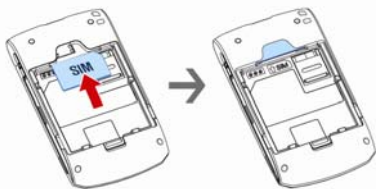
INSTALLING THE SIM CARD

When you subscribe to a cellular network, you will need a plug-in SIM card loaded with your subscription details (PIN, and optional services available).

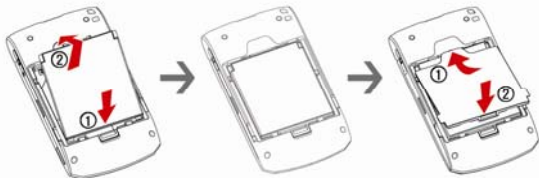
1. If necessary, switch off the phone by holding down the End/Power key until the Power off message appears.
2. Remove the battery by following the steps below:
 - ① Pull down and hold the locking catch above the battery cover on the back of the phone.
 - ② Lift the battery, as shown below.



3. Put the SIM card into the phone. Ensure that the SIM card is inserted properly.



4. Place the battery pack inside the phone. Align the bottom of the battery cover with the corresponding slots in the phone and press the battery cover to lock.



CHARGING THE BATTERY

Your phone package comes with a battery, and a travel charger. You can also use USB data cable to charge your phone, however, the charging time may be different from travel charger.

Use only approved batteries and chargers for your safety.

Note: It is highly recommended to fully charge the battery prior to using your phone for the first time

1. After putting the battery in the phone properly, insert the charging plug into the charging port at the “right side” of the phone.
2. Connect the travel charger to a standard AC outlet.
3. When charging is complete, disconnect the travel charger from the power outlet and the phone by pulling out the charging plug.

Note: When the battery is discharged completely, and not used for a while, the phone will not display the charging icon for about 30 minutes while charging. After 30 minutes of charging, the phone will display the charging icon.

SWITCHING THE PHONE ON/OFF

1. Hold down the power on/off key for more than one second to switch on.
2. If the phone asks for a PIN, key-in the PIN. The phone searches for your network and when detected, will display the idle screen. The external display shows the signal strength, battery strength and current time and date.
3. When you wish to switch off the phone, hold down the power on/off key for more than two seconds.

ACCESS CODES

There are access codes for your SIM card. These codes help you to protect the phone against unauthorized use.

When requested for any of the code explained below, key-in the appropriate code (displayed as asterisks) and press the **OK** key.

PIN

The **Personal Identification Number** or PIN (4-8digits) protects your SIM card against unauthorized use. The PIN comes with the SIM card; see the SIM card instruction provided with your card.

If you enter an incorrect PIN three times in succession, the code will be disabled and cannot be used until you re-enable it by entering the PUK.

PUK

The 8-digit PUK (**P**ersonal **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or in case you have lost it, please contact your service provider.

To re-enable your PIN, proceed as follows.

1. Key-in the PUK and press the **OK** key.
2. Enter a new PIN of your choice and press the **OK** key.
3. When the **Confirm New PIN** message is displayed, key-in the same code again and press the **OK** key.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Please contact your service provider for a new card.

Pin Password

The 4 ~ 8 digits of password is required when you use the Call barring function. You can obtain the password from your service provider when you subscribe to this function.

General Functions

MAKING A CALL

To make a call on your phone, check the phone if the screen is idle and the phone indicates network signal. Then key-in the area code and phone number using the numeric keys and press the Send Key.

MAKING AN INTERNATIONAL CALL

Press the * key twice to display “+” character.

Input the country code, area code (without the leading zero), and the phone number. Then press the Send Key. The ‘+’ informs the network that it is an international call.

SEARCH NUMBER

1. [Name] in Idle Screen:

When you make a call, press the [Name] soft key (right) from the idle screen. You can search the phonebook entries from “All location, SIM card, and Phone.” You can choose a phonebook name by pressing the up & down navigation keys. It will display a phone number under the name. Also enter the name you want to search for, it will display the name from the list. Press the Send key to make a call. If you want to view the details of the phonebook entry, select the [Option] soft key and select “View.” Press the Send key to make a call. If there is no phone number in your phonebook, it will display [Empty].

2. Search in Phonebook menu:

You can store the names and phone numbers in the SIM card and phone memory in the [Phonebook]. If you want to find a number by phonebook name, press the [Menu] soft key (left), and select "Phonebook".

MAKING A CALL WITH SPEED DIAL

To use Speed Dial feature, press and hold the speed dial number key, the phone will dial to the associated phone number. (See 1.7 Speed Dial, for detail).

MAKING A CALL FROM MESSAGE

You can make a call from message by pressing the [Ok] soft key (left) and [Option] soft key (left) and select "Use Number" and press the Send Key when the number you want to call back is highlighted, or select "Dial" menu in the "Use Number" list.

REDIALING THE LAST NUMBER

The phone stores the last dialed and received numbers. To recall any of these numbers, press the Send Key to display a list of the last dialed numbers.

EMERGENCY CALL

Ensure that the phone is switched on and in service. Enter the emergency number (Official Emergency Number or second official emergency number) and press the Send Key. Provide your location. Do not end the call until given permission to do so. End the call by pressing the End key.

Note : When “**Enter Lock Code**” or “**Enter PIN**” messages are prompted on the display during power-on, some network may not allow emergency call. However, some network may request to insert a SIM card and enter **Official Emergency Number**.

ENTERING A “PAUSE OR WAIT”

You may enter a pause (“P”) character into a dial string by pressing the left special function key * three times. Press the left special function key * four times to enter a wait (“W”) character into a dial string.

ENDING A CALL

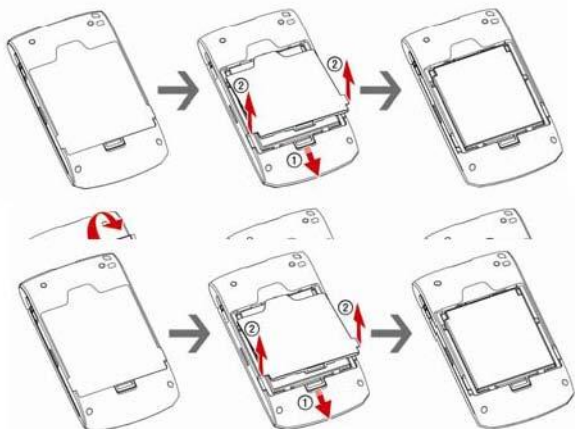
When you have finished your call, press the End key for a short time.

SD Card

Warning: It is highly recommended to use only the genuine microSD cards approved and specified by the “SD Card Association.” <http://www.sdcard.org> or SanDisk. Using other products that are NOT indicated by SD Card Association or SanDisk may cause damage to the microSD card slot of your phone.

INSTALLING THE MICROSD CARD

Lift up the battery pack, and open the SD Card slot guard and place the microSD card in the slot as shown below.



Note: It is recommended that microSD card has about 100KB free space for Audio File play list. If the microSD card is full, the phone may not able to play a new music file.

* In case the Storage Mode is selected WITHOUT inserting the microSD memory card, "No memory card" warning will appear.

UNINSTALLING THE MICROSD CARD

Slide the protector up and push the card to slide out. After uninstalling the card, close the protector.

In-Call Options

Your phone provides a number of call control functions that is allowed to use during calling.

- Putting a Call on Hold/Un-hold
- Making a Second Call
- Making an International Second Call
- Answering a Second Incoming Call
- Storing a Number
- Mute a Call
- Voice Recording a Call
- Swapping Calls

CONFERENCE CALL

You can make calls while there are active held calls on conversation by using [Conference Call] menu in [Call Menu]. [Conference Call] menu appears only when you accept the second call. The current active call is placed on hold and the held call is reactivated. If you want to quit conference call and do not want to hang up any call, you can choose [Split Call] Menu in [Call Menu]. [Split Call] menu appears only when you are on a conference call.

Note: Some networks do not allow the user to change this setting.

SENDING MESSAGE

You can send messages by using the [SMS] Menu in [Messages] even during you are calling.

INTER-WORKING PHONEBOOK

You can use [Phonebook] menu and sub menus even while you are calling.

Text Input Tips

TEXT INPUT OPTIONS:

While you are in text editing mode, you will be in several modes.

When you see [Option] and [Clear] in the soft key, press left soft key for option: you can save the entry or change the Text Input Method. To erase a character, press the right soft key next to the character you want to erase. You can move among the characters you typed-in by pressing the 4 way navigation keys.

There can be more than two options depending on what contents you are editing.

T9 TEXT EDITING MODE

While you are in T9 editing mode, press the alphanumeric key once for one character. You will see T9 suggested words, i.e. press 6 and 4 key to type in "OK." Press up or down navigation key, to navigate through word list. Press the [Select] soft key (left) to select the word you want to write.

If there is no such word in the word list, the left soft key will change from [Select] to [Add]. Press the [Add] soft key (left) to edit and select 'Done' to save a word to the word list. The next time you enter the word sequence, you can use the saved word.

YOU CAN DEFINE THE DEFAULT INPUT METHOD OF YOUR PHONE AND CHANGE INPUT METHODS TIME TO TIME.

To define your preferred input method, go to “Phone Setup” sub menu in “Settings” menu. Then select “Preferred Input Method.”

- You can change the text input method with # key; the input methods will swap when you press the # key.
- Press and hold the * key to select Symbols.
- Press the * key to toggle select cases of abc, Abc, and ABC.

Using Phonebook

You can store phone numbers and its corresponding names in the memory of your SIM card. In addition, you can store up to 300 entries and categorize in 5 groups. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called phonebook.

STORING A PHONE NUMBER WITH A NAME AND AN IMAGE

As soon as you start to enter a number, [Save] appears above the soft key (left) to allow you to store numbers in the phonebook.

1. Key-in the number to be stored. You can input the number up to 40 digits.
2. Select the storage from "To SIM" or "To Phone." You can also check how many you have saved and total entries you can store in the storage.
3. Select a category to edit. To select the category, scroll to the category and press the **[Edit]** soft key (left). The following categories are available:

To SIM

- a. Name
- b. Number
- c. Caller Group

To Phone

- a. Name

- b. Number
- c. Home Number
- d. Company Name
- e. Email Address
- f. Office Number
- g. Fax Number
- h. Associate Picture
- ij. Associate Sound
- j. Caller Group

STORING A PHONE NUMBER USING THE PHONEBOOK MENU

1. Press the [Menu] soft key (left), and select the **[Phonebook]** menu.
2. Scroll to [Add New Entry] by pressing up or down the navigation key and press the **[OK]** soft key (left).
3. Select the storage from “To SIM” or “To Phone.” You can also check how many you saved in the storage and total entries you can store.
4. Select a category to edit. To select the category, scroll to the category and press the **[Edit]** soft key (left). Ten categories are available (see “Storing a Phone Number with a Name and an Image” for selecting category, edit and save the entries).

Messages

You can write and read messages in this menu. Message functions are available depending on network services that your service provider supports.

SMS

The SMS (Short Message Service) function is a network service and your network may or may not support the service. You can send messages in Fax, Page, Email and Text format. To send text messages by phone, you must obtain the SMS center number from your service provider, and enter it on the **SC Address** option in Profile Settings menu.

When the  icon appears on the status indicators area, it indicates that you have received a new message.

Note: The SMS service may not be available on all networks. Some network allows it only within its own network.

Write Message

With this menu, you can write a message as following.

- 1) Select [Write Message] menu in the [SMS] menu.
- 2) Write a message.
- 3) After you complete the message, press the [Option] soft key (left) and then select "Done." Choose one of following options.
 - Send Only: Sends the message to the recipient

- phone number. It will not save the message.
- Save and Send: Saves the message, and send it to the required recipient.
 - Save Only: Saves the message so that you can send it later.
 - Send to Many: Send the message to multiple recipients. Select Edit List to add up to 10 recipient(s).
 - Send by Group: Sends the message to the Caller Group. Select a Caller Group from the list.
- 4) You can input the number directly or get from the phonebook by pressing the **[Search]** soft key (left).
- 5) The phone will display the Message sending Success or Fail message on the screen for all recipients.

Note: If you receive a call while you are writing a message, the message will be backed-up and after the call finishes, the phone will display [write message] mode. You can finish the message without losing the data.

Inbox

With this menu, you can view the new text messages or the read messages.

It will display the sender's phone number or name (if stored in the **Phonebook**) on the list.

If you choose the **[Ok]** soft key, you can view the message contents.

Outbox

With this menu, you can view the sent or unsent

messages you have saved.

Send, Edit, Delete, Delete All and Use Number options are available.

Drafts

You can view and edit the saved messages in the Drafts.

Template

You can edit and delete message templates in this menu. You can store your frequently used messages up to 10 messages. For example, “Call Me Now,” “How are you,” and so forth. You can use the Template by selecting [Use Template] option, when you write a message.

Message Settings

You can setup default Message Information.

Profile Settings, Common Settings, Memory Status

MMS

The MMS (Multimedia Messaging Service), also called Photo Message, allows end-users to send and receive messages containing multimedia content (including images, video, sound and text) between mobile to mobile, and mobile to Email.

Write Message

You can write a message and insert Image, Sound, and Attachment.

- 1) Select [Write Message] menu in the [MMS] menu.
- 2) Compose a message. You can edit To, CC, BCC, Subject, and Content.
- 3) You can input the number directly or get from the phonebook by pressing the **[Search]** soft key.
- 4) After you complete the message, press the [Option] soft key (left) and then select "Done." Choose one of following options.
 - Send Only: Sends the message. It will not save the message.
 - Save and Send: Saves the message, and send it to required recipient(s).
 - Save to Drafts: Saves the message to Drafts. You may send it later.
 - Send Options: Validity Period, Delivery Report, Read Report, Priority
 - Exit: Exits the Write Message, the phone will ask if you want to save the message.
- 5) The phone will display the Message sending Success or Fail message on the screen for all recipients.

Inbox

Same description as for SMS.

Outbox

Same description as for SMS.

Drafts

Same description as for SMS.

Templates

You can edit the MMS templates and write a message in this menu. You can use the Template by selecting [Use Template] option, when you write a message.

Message Settings

Within the MMS sub-menu, you can define default values on common parameters for mobile-originated messages. By setting default values for MMS messages, you can experience a more comfortable service.

You can set up the MMS related parameters for sending and retrieving the MMS messages.

VOICE MAIL

Your phone is capable of dialing with voicemail server number (if provided by your network). If you receive any voicemail, your phone displays **New Message** in the idle screen.

Select the Voice Mail from the list and press [Option] soft key (left). You can **Edit** the Voice Mail server number.

By selecting the **Connect to Voice**, your phone will dial to the configured number that has been stored in Voice Mail list. You can then listen to the voicemail.

Note: Voice mail is a network feature. Please contact your service provider for more information.

BROADCAST MESSAGE

This network service allows you to receive the broadcast

messages on various topics such as weather, traffic, local district code, local hospitals, taxis or pharmacy in your area.

For more information about broadcast message topics, please contact your service provider.

The phone will display the Broadcast Messages immediately when received, on the following condition:

- 1) When the phone is in the idle mode
- 2) When the **Receive Mode** (2.4.1) option is set to **On**
- 3) When the message channel is currently active in the channel list.

Note: This service may not be available on all networks. For more information about the available subjects, please contact your network service provider.

Call History

You can identify all call records that you have dialed, received or missed.

It will display the number and name (if available), together with the date and time at which the call was made or received.

MISSED CALLS

This menu lets you view the last missed calls.

DIALED CALLS

This menu lets you view the last dialed calls.

In the dialed calls list, you can view the details of the record by pressing the **[Ok]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

RECEIVED CALLS

This menu lets you see the last received calls.

In the list of received calls, you can view the details of the record by pressing the **[Ok]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

DELETE CALL LOG

This menu lets you delete all call data of missed call, dialed call, received call, and all call log.

CALL TIME

This menu lets you view the timers for calls made and received. Last Call Time, Total Sent, Total Received, Reset All Time

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so forth.

CALL COST

You can view the cost of the last call, or of all calls. It will show costs, only if your network operator supports this service.

- **Last Call Cost:** Allows you to check the cost of the last call.

- **Total Cost:** Allows you to check the cost of all calls.
- **Reset Cost:** Allows you to reset the call cost.
- **Max Cost:** Enter PIN2 and input a limitation of the Max Cost.
- **Price Per Unit:** Enter PIN2 and input a limitation of the price per unit.

Note: Not all SIM cards support this feature. The number of items in these lists depends on the contents of your SIM card.

SMS COUNTER

You can view the numbers of sent and received SMS.

GPRS COUNTER

You can view how many GPRS message has been sent and received, and reset the counter.

Settings

You can change settings for your phone using this menu. There are Phone Setup, Call Setup, Network Setup, IrDA, Bluetooth, Security Setup, and Restore Factory Settings sub menu.

PHONE SETUP

With this menu, you can setup settings regarding display and operations of the phone:

Sound

You can set up the Sound setting features.

- Tone Setup

(Incoming Call, Alarm, Power On, Power Off, Folder Open, Folder Close, Message Tone, and Keypad Tone.)

- Volume
- Alert Type
- Intelligent Call Alert
- Ring Type
- Extra Tone

Time and Date

You can set time and date for your phone.

1) Set Home City

This menu allows you to set a city as your home city.

2) Set Time/Date

This menu allows you to set the current time and date displayed in the idle screen.

3) Set Format

This menu allows you to set Time Format and Date Format.

4) Day Light Saving Time

5) Auto Update of Date and Time

Language

This menu allows you to set the display language.

Preferred Input Methods

This menu allows you to define your preferred input method. Once you set the preferred input method, next time you edit in text input mode, it will reflect the setting

until you change to another.

Display Settings

This menu allows you to customize desired phone display items as below.

- 1) Wallpaper
- 2) Screen Saver
- 3) Power On Display
- 4) Power Off Display
- 5) Main Menu Style
- 6) Greeting Text
- 7) Contrast
- 8) LCD Backlight
- 9) Show Date and Time
- 10) Show Owner Number
- 11) Show Operator Name

Dedicated Key

This menu allows you to set the dedicated function for the 4-way navigation key in the idle mode.

Select from the menu lists, and press [Ok] key to change the dedicated menu.

Default Dedicated Keys:

- Up: Tone Setup
- Down: Wallpaper
- Left : Write Messages
- Right: Calendar

Flight Mode

Flight Mode enables you to use certain functions of your

phone without disrupting sensitive radio equipment when flying or in a hospital, for example. Please note, you will not be able to make calls or send messages/emails while Flight Mode is enabled.

You can set Flight Mode Normal Mode, Flight Mode, or Query When Power On (this will ask if you want to put your phone in Flight Mode when you power on your phone.)

Note: To cancel out the Flight Mode, press [Menu] and select Settings> Phone Setup> Flight Mode to Off.

CALL SETUP

The following Call Setup features are network services. Please contact your network service provider to check availability and subscribe to the feature.

Caller ID

This network service informs your Caller ID to the recipient when you call out.

Call Waiting

This network service informs when someone is trying to reach you during another call. You can specify the call waiting option for voice calls only.

Call Divert

This network service reroutes incoming calls to the number that you specify.

Example: you may wish to divert your business calls to a colleague while you are busy. Call diverting can be set

up in the following ways.

- **Divert All Voice Calls:** diverts all voice calls.
- **Divert If Unreachable:** diverts calls, if you are not in a coverage area of your service provider.
- **Divert If No Answer:** diverts calls, if you do not answer the phone.
- **Divert If Busy:** diverts calls, if you are already making another call.
- **Divert All Data Calls:** diverts all data calls.
- **Cancel All Divert:** cancels all call diverting options.

Note:

The phone sends your settings to the network and the network will acknowledge the settings. You can deactivate all call diverting settings by selecting the **Cancel All**.

Call Barring

This network service allows you to restrict your call for Outgoing Calls, Incoming Calls.

You can also Cancel All call barring settings. You will be able to make and receive calls normally.

You can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

Note:

The phone sends your settings to the network and the network returns the acknowledgement. You can deactivate

all call barring settings by selecting the **Cancel All**.

Call Time Reminder

You can set the call time reminder. Options are Off, Single, and Periodic.

Call Time Display

If you want, you can set the phone to display the call time.

Auto Redial

This option allows you to set redial automatically when the call receiver is busy. If you set [Auto Redial] on, it will redial 10 times to make a call.

Answer Mode

You can select the way to answer an incoming call. Options are “Any Key, Send Key, and Folder Open.”

NETWORK SETUP

Network Setup helps you in Network Selection (Automatic/Manual), selection of Preferred Network, and GPRS connection

Network Selection

The Network Selection feature enables you to select automatically or manually the network used when roaming outside of your home network.

Note:

You can select a network other than your home network only if it has a valid roaming agreement with your home network.

Options are as following:

- 1) Automatic: You will be connected to the first available network when roaming
- 2) Manual: The phone scans for the available network, and you can select the network manually.

Preferred Networks

You can set your preferred networks from PLMN list.

You can Add From List, Create New, Change Priority and Delete

GPRS Connection

Press [Change] soft key (left) to change the setting for the GPRS connection.

IrDA

You may use the IrDA port of your phone to send or receive files with other phone or PC equipped with IrDA port.

Activation Menu

Open / Close : allows you to open or close the IrDA port. After selecting the IrDA to Open, you may send files from Phonebook, My vCard, Camera, Video, or from a File Manager.

Storage

You can choose where to save the files, either to phone or Memory Card.

Bluetooth

Your phone supports Bluetooth connections. This phone supports Bluetooth v1.2 A2DP (Stereo Headset), HSP

(Headset), HFP (Hands-free), DUN, FTP, and OPP. Usually the range is approximately within 10 meters; however, it can vary depending on device or environment.

Note: You may input pass code to pair (or bond) with a Bluetooth device. Please refer to the Bluetooth device manual for detail.

Bluetooth Mode

To connect this phone to other Bluetooth device, set this option to On.



icon will appear on the idle screen.

If the Bluetooth device was connected, the phone will connect to the device when the phone's power is back on.

Note: When you are not using the Bluetooth feature, set the Bluetooth Mode to Off, in order to save the battery power.

Search Device

This option will search for device(s) within the range of your phone.

- 1) Place the device close to the handset (as close as possible) when you search a new device.
- 2) Check to turn on your handset and the new device. For the new device, see instruction provided by the device manufacturer. Make sure your phone is in Bluetooth Mode.

- 3) Select “Search Device” to find the new device.
- 4) After your phone finds the device, press [Pair] soft key (left), it might ask for a pass code. Default pass code is depending on the Bluetooth device. Usually the Bluetooth audio device provides a guide with this pass code.
- 5) The phone and device will be paired and connected. If you fail this pair procedure, try again or contact the device manufacturer, or change to other device.

Note: Please use recommended Bluetooth devices for optimal use. For compatible devices, please refer to your phone dealer.

My Device

This will display Paired Device(s), which have been connected and registered with your phone. You can conveniently connect to the frequently using Bluetooth device by using this menu.

Option:

- Connect: you can connect to the listed Bluetooth device.
- Rename: you can edit the device name.
- Delete: you can delete the saved device from the My Device list.
- Search new device: you can also search for new device.

Settings

Visibility

You can set your phone visible to other Bluetooth devices during a device search.

My Phone Name

Edit your phone name by using this option. When other Bluetooth device searches your phone, this name will be displayed.

Authentication

Set Authentication On or Off. You can only change this option when the Bluetooth Mode is On.

FTP Settings

You can set Shared Folder and Access Right.

SECURITY SETUP

There are six types of security setting categories, and you can optimize security mode by choosing sub menus in “Security Setup” in “Settings” menu. These security settings will help you to keep privacy and to prevent other people from using the phone without your permission.

PIN Lock

When the PIN Lock feature is on, the phone only works when you enter PIN code for the SIM card. If you turn on the phone with the SIM card, the phone will ask for the password. Once the correct password is entered, the phone will work with the SIM card.

Phone Lock

When the Phone Lock feature is on, user must enter the

password each time you turn on the phone. Making a call or operating the phone is not available without the password.

Auto Keypad Lock

To prevent unwanted accidental key presses, you can use this auto keypad lock function. You may not make a call or operate the phone until you press the unlock code. However, answering a call, receiving messages are available without entering the unlocking key sequence.

To change the Keypad Lock setting,

- 1) Press and hold the * key or
- 2) Press the menu key and select 4. Settings / 4.4 Security Setup / 4.4.3 Auto Keypad Lock.

To unlock the Keypad Lock time setting,

- 1) Press the [unlock] soft key (left) and * key in sequence, each time you need to release the keypad lock.

Fixed Dial

When the Fixed Dial mode is enabled, the person using this phone can call to the phone numbers stored in the Fixed Dial List only. To make a call to the number not starting the numbers stored in Fixed Dial List, you must enter the PIN2 to disable Fixed Dial mode. If the SIM card does not have PIN2, this feature is not supported.

In the Fixed Dial Mode, you can use several useful functions as following.

- 1) View and Edit: you can see and edit FDN entry after input PIN2.

- 2) Add : you can add FDN entry after input PIN2.
- 3) Delete: you can delete FDN entry after input PIN2.
- 4) SMS: you can send SMS to the phone numbers starting with the numbers stored in FDN.
- 5) Short Type: you can choose short type among Number / Name / Sequence.

Barred Dial

When the Barred Dial mode is enabled, the person using the phone cannot call numbers in the barred dial list. To call a barred number, you must enter the PIN2 to disable the barred dial mode. If the SIM card does not have PIN2, it will not support the Barred Dial feature.

Change Password

To change the password, input the current password, and then enter the new password.

Note: The initial password is “0000.” After you change your password, you will need to input the password. If you forgot your password, contact the service center.

RESTORE FACTORY SETTINGS

This feature would reset the phone to the same settings as those configured at the factory. In this case, it does not delete the downloaded objects and phonebook records.

You will need to input password to restore factory settings. The initial password is 0000.

Multimedia

The Multimedia menu provides you with several multimedia functions.

- Camera
- Image Viewer
- Video Recorder
- Video Player
- Photo Manager
- Audio Player
- Sound Recorder
- Melody Composer

Note: Camera options

Key	Setting
1	Effect Settings
2	White Balance (Auto, Daylight, Tungsten, Fluorescent, Cloud, Incandescence)
3	Flash Light (On, Off) (turns on and off the camera flash)
4	Delay Timer (5, 10, 15)
5	Continuous Shot (3, 5, Tile Shot)
6	Night Mode
7	Image Quality (normal, low, high, fine)
8	Image Size (1280x1024, 640x480, 320x240, 160x120, 176x220)

Applications from WAP. Follow the instruction of the application or game. Loading time will vary from applications to applications.

There are embedded Java games for your mobile phone.
(Depending on Software version)

Press [Option] soft key (left) and select 'Launch' to execute the java game or application.

Java Options:

- 1) Launch: allows you to launch the selected game or application.
- 2) Settings: allows you to change the setting for Java.
 - Network Access: allows you to set if you wish to access the network. Select from Allow, Prompt Always, and Never.
 - Auto Invocation: allows you to set if you wish to invoke automatically. Select from Allow, Prompt Always, and Never.
 - Messaging: allows you to set if you wish to use messaging. Select from Allow, Prompt Always, and Never.
 - Recording: allows you to set if you wish to use recording. Select from Allow, Prompt Always, and Never.
- 3) Information: displays Java Midlet information of the selected java game or application, such as name, size, version, vendor, and jad or jar website of a Midlet.

GAME

Using this menu you can enjoy the embedded games

Tools

Tools menu helps you to utilize your phone as Calendar, To-Do List, Alarm, Calculator, World Clock, Unit Converter, Currency Converter, Health and Stopwatch.

CALENDAR

The calendar helps you to keep track of memos, calls that you need to make, anniversaries, and To-Do's.

To Do List

You can view all saved tasks. It displays a task or tasks saved in the calendar. The To Do List shows the notes of the tasks from the oldest task to the latest task.

ALARM

This menu allows you to set the alarm to ring at a specific time. You can save up to three alarms.

To stop the alarm when it rings, press the [Stop] soft key (left) to stop the alarm or press the [Snooze] soft key (right) to snooze the alarm so that it will remind you again in four minutes.

WORLD CLOCK

This feature allows you to check the current time based on Greenwich Mean Time (GMT) for major cities around the world

To set the time zone of your location, select the city corresponding to your time zone by pressing the left and

right navigation keys. The phone will display the local date and time.

CALCULATOR

Using this feature, you can use the phone as a calculator. The calculator performs the basic arithmetic functions and memory functions; Addition, Subtraction, Multiplication and Division; Add to Memory, Subtract to Memory, Memory Clear and Memory Read.

UNIT CONVERTER

You can convert from one type of unit to another.

To convert a value:

- 1) Select the weight or length options.
- 2) Press the left or right navigation keys and select the type of conversion to be performed. (Example: Kg ↔ Pound)
- 3) Using the up and down navigation keys, place the cursor on the desired unit
- 4) Input the value to be converted, and then press [Ok] to get the result.

You can enter a decimal point (.) using the # key.

CURRENCY CONVERTER

To convert currency:

- 1) Input a currency rate.
- 2) Press the [Ok] soft key (left).
- 3) Press the left or right navigation keys to choose how you want the currency to be calculated. (xxx:1 or 1: xxx)

- 4) Press down the navigation key and input the local currency value.
- 5) Press the [Ok] soft key (left) to get the result.
- 6) If you want to convert other local amount, press the up navigation key and select the currency convert type (xxx:1, or 1: xxx), and repeat steps 4) and 5). If you want to convert with other currency rate, press the [Back] soft key.

HEALTH

With the Health menu, you can check your Body Mass Index.

BMI

BMI is an index for your health, keeping in the Normal range is recommended for your health. Low BMI and high BMI both are critical for the health.

	Thin	Normal	Fat
Female	~ 18	18 ~ 23	23 ~
Male	~ 20	20 ~ 25	25 ~

Biorhythm

You can check your biorhythm with your birthday.

STOPWATCH

This is a tool to measure timing; Split Stopwatch, Lap Stopwatch and nWay Stopwatch. You can use the stopwatch functions for various sports; for example, running, swimming races, or car races.

Typical Stopwatch

There are Split Timing and Lap Timing stopwatch functions in this typical stopwatch menu.

Split Timing

Split Timing is useful for measuring each player's record from start. The timing will be recorded earliest to latest.

Lap Timing

You can use the Lap Timing function to measure each lap record.

View Record

When you save the timing records from the Split Timing and the Lap Timing, it will be saved and listed in this menu.

nWay Stopwatch

You can use 4-way navigation keys for measuring times for each direction.

When you press a navigation key, the direction stopwatch will start timing, and other direction stopwatch will pause the timing. When you press the paused direction's navigation key, the stopwatch will resume timing. Press and hold the [Resume] soft key to clear all record.

Services

This menu allows you to use services including SIM card additional services, WAP and Data Service.

STK

If you use a SIM card that provides additional services, the STK menu displays. For details of SIM Card Tool Kit, please refer to your SIM card instructions. If you have any questions, please call After Sales support center.

WAP

You can connect to WAP site by this phone, and use the services provided by the sites. The WAP browser works as Internet browser of PC. And the services are provided by the connected sites.

Homepage

When you choose [Homepage] menu, WAP browser opens the main page of home site that you had activated among the sites in [Profile].

Bookmarks

You can make bookmark data in your phone. And you can connect to the site directly.

Options:

- Goto : Connect to the bookmarked WAP page
- Edit : Edit the name and URL of the selected entry
- Delete : Delete the selected entry
- Delete All : Delete all entries in the bookmarks.
- Add Bookmark

Recent Pages

When you choose [Recent Pages] menu, WAP browser opens the latest WAP page.

Enter Address

If you know the URL of the site, you can go to the site directly by inputting the URL.

WAP Push

Your phone receives WAP service messages and saves them in the WAP Push. You can read the message in the Inbox.

Settings

This option allows you to set the WAP settings. There are several profiles of sites in this phone. You can activate one of them as a home site and change or set each profile.

Options:

- Edit Profile : Shows the name of selected site and you can edit the profile(s).
- Browser Options: Time out, Show Images
- WAP Push Setting: On/Off
- Clear Cache: clears the most recent site files that you have downloaded in the temporary memory.
- Clear Cookies: deletes cookies in the memory.
- Clear Recent Page List: clears recent page list in the memory.
- Clear Address: deletes all addresses, which you entered in 8.2.4 Enter Address.
- Trusted Certificates: saves and lists the Trusted Certificated from the WAP sites. You can view and delete the certificates.

DATA ACCOUNT

This menu allows you to change the settings for the GSM and GPRS network services. For further details, contact your service provider.

GSM

This setting allows you to change the settings for the GSM network as following:

- Account Name
- Number
- User Name
- Password
- Line Type
- Speed
- DNS

GPRS

This setting allows you to change the settings for the GPRS network as following.

- Account Name: Edit the account name.
- APN: Enter the access point name used for the address of the GPRS network gateway.
- User Name: Enter the User Name required to connect to GPRS network.
- Password: Enter the password required to connect to GPRS network
- Auth. Type: Select the authorization type from Normal and Secure.

File Manager

This menu allows you to navigate the stored files in the phone or memory card.

- 1) You can view the remaining memory and total memory of the phone and the microSD Card.
- 2) You can open and navigate the directories and files in the storage.
- 3) You can view, play, and setup files in the storage disks.

- 1) View / Play: allows you to view or play the file.
- 2) Edit : allows you to edit image files.
- 3) Forward: allows you to forward the file to use in Wallpaper, Screen Saver, Tone Setup, Phonebook, and to send via MMS, EMS, IrDA and Bluetooth.
- 4) Detail: displays information of the file, date and size.
- 5) Rename: allows you to edit the file name.
- 6) Copy: allows you to copy the file to the other folder or other storage.
- 7) Move: allows you the move the file to the selected folder or storage. The file will be removed from the original folder and paste to the selected folder.
- 8) Delete: allows you to delete the selected file.
- 9) Delete All Files: allows you to delete all files in the selected folder.
- 10) Sort: allows you to sort the files by name, by type, by time, and by size.

Note: After selecting Copy or Move option, press

the left or right navigation keys to access to the upper or lower folder.

SIM AT Service

SIM Card provides several value-added services.

These functions will only display and work on the menu of the phone when your SIM card is supported. If your SIM Card does not support such services, the phone will not display those menus.

The content and the terms of the function lists will depend on your network service provider.

Please contact your network service provider (a network operator or the service provider) in regards with availability of any services related to the SIM card, application information and the costs.

Note: Please be aware that charges may be applied to your bill due to activated SMS or Call when you perform those services. The text of SIM AT menus may be different from your phone language setting because the text directly comes from your SIM card

Using Batteries

PRECAUTIONS WHEN USING BATTERIES

- Never use any charger or battery that is damaged in any way.
- Use the battery only for intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time. When charging after complete discharge, the phone will not display anything for about 30 minutes.
- Use only approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten the battery life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as it will reduce the capacity and lifetime of the battery. Always try to keep the

battery at room temperature. A phone with a hot or cold battery may not work temporarily, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0°C (32°F).

- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example, when you carry a spare battery in a pocket or bag.
- Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose the used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Menu Map

Phonebook

- Quick Search
- Search Entry
- Add New Entry
 - To SIM
 - To Phone
- Copy All
 - From SIM
 - From Phone
- Delete
 - From SIM
 - From Phone
 - One By One
- Caller Group
 - Friends
 - Family
 - VIP
 - Business

- Others
- Speed Dial
 - Enable Speed Dial
 - Set Number
- Special Number
 - Owner Number
 - Service Dial Number
 - SOS Number
- Settings
 - Memory Status
 - Preferred Storage
 - Fields
 - My vCard
 - Human Voice Prompt
 - View Method

Messages

- SMS
 - Write Message
 - Inbox
 - Outbox
 - Drafts
 - Template
 - Message Settings

- MMS
 - Write Message
 - Inbox
 - Outbox
 - Drafts
 - Templates

- Message Settings
- Voice Mail
- Broadcast Message
 - Receive Mode
 - Read Message
 - Languages
 - Channel Settings

Call History

Missed Calls

Dialed Calls

Received Calls

Delete Call Log

Missed Calls

Dialed Calls

Received Calls

Delete All

Call Time

Last Call Time

Total Sent

Total Received

Total Time

Reset All Time

Call Cost

Last Call Cost

Total Cost

Reset Cost

Max Cost

Price per Unit

SMS Counter

Sent

Received

GPRS Counter

Last Sent

Last Received

All Sent

All Received

Reset Counter

Settings

Phone Setup

Sound

Tone Setup

Volume

Alert Type

Intelligent Call Alert

Ring Type

Extra Tone

Time and Date

Set Home City

Set Time / Date

Set Format

Day Light Saving Time

Auto Update of Date & Time

Language

Preferred Input Methods

Display Settings

Wallpaper

Screen Saver

Power On Display

Power Off Display

Main Menu Style

Greeting Text

Contrast

LCD Backlight

Show Date and Time

Show Owner Number

Show Operator Name

Dedicated Key

Flight Mode

Call Setup

Caller ID

Call Waiting

Call Divert

Call Barring

Call Time Reminder

Call Time Display

Auto Redial

Answer Mode

IP Number

Network Setup
Network Selection
Preferred Networks
GPRS Connection

Bluetooth
Bluetooth Mode
Search Device
My Device
Active Device
Setting
About

IrDA
Activation Menu
Storage Location

Security Setup
PIN Lock
Phone Lock
Auto Keypad Lock
Fixed Dial
Barred Dial
Change Password

Restore Factory Settings

Multimedia

Camera
Image Viewer
Video Recorder
Video Player

Photo Manager
Audio Player
Sound Recorder
Melody Compose

Fun

Java
Launch
Setting
Information
Java Setting
Java Audio
Java Vibration
Java Network
Free Data Space
Heap Size

Games
Start Game
Game Level
Best Grades
Game Help
Game Setting
BGM
Sound Effect
Game Vibration

Tools

Calendar
To Do List
Alarm
World Clock
Calculator

Unit Converter
Currency Converter
Health
Stopwatch

Services

STK (depends on SIM)

Data Account

WAP

GSM

Homepage

GPRS

Bookmarks

Recent Pages

Enter Address

WAP Push

Settings

File Manager

Memo

Safety Information

1. SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

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.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from your wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna. Do not touch the antenna unnecessarily when the phone is in use. Do not move the antenna close to, or touching any exposed part of the body when making a call.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

This device was tested for typical body-worn operations with the back

of the phone kept 15 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 15 mm. 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.

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 **1.01 W/kg** and when worn on the body, as described in this user guide, is **0.36 W/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 **FCC ID:RV2EZ800**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6

watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION **RADIO FREQUENCY INTERFERENCE STATEMENT**

INFORMATION TO THE USER

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

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

Changes or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.

FCC Compliance Information

This device complies with Part 15 of FCC Rules.
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received.
Including interference that may cause undesired operation.