

PRIVACY RESTRICTIONS

Some countries require full disclosure of recorded telephone conversations, and stipulate that you must inform the person with whom you are speaking that the conversation is being recorded. Always obey the relevant laws and regulations of your country when using the recording feature of your Phone.

When using this product, the safety precautions below must be taken to offset possible legal liabilities and damages.

ELECTRICAL SAFETY

This product is intended for use when supplied with power from the battery. Other usage may be dangerous and will invalidate any approval given to this product.

SAFETY IN AIRCRAFTS

Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this product on board an airplane is against the law in most countries.

ENVIRONMENT RESTRICTIONS

Do not use this product at gas or refueling stations. The use of this product is also prohibited in fuel storehouses, chemical plants, and locations containing explosives.

SAFETY FOR ENVIRONMENTS

Do not use this product in gas stations, fuel depots, chemical

plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fuelling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

ROAD SAFETY

Vehicle drivers in motion are not permitted to use telephony services with handheld devices, except in the case of emergency. In some countries, using hand-free devices as an alternative is allowed.

INTERFERENCE WITH MEDICAL EQUIPMENT FUNCTIONS

This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

NONIONIZING RADIATION

This product should be operated in the suggested normal condition only to ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Kitty Phone

User's Manual

About this manual

Welcome to the Kitty Phone. [This manual contains two](#)

parts.

'Before you start'
'Operation Instruction'

Before using your Kitty-B, read 'Before you start' first

After you have become familiarized with its basic functionality, refer to the operation Instruction for detailed features, less common tasks, and for maintaining your KITTY-B Phone.

This manual can also serve as a source of information if you have problems operating your Kitty-B.

If the above content in this manual is not accordance with your mobile phone, please subject to your mobile phone.

Our company has the right to subject to amendment without notice.

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I. Before you start

Kitty Phone



A. Features

1. Unpacking

The packing list contains:

(1) USB cable	(2) Handset
(3) Manual	(4) Travel adaptor
(5) Service centre manual	
(6) Warranty card	(7) Battery
(8) Earphone	(9) Mini CD

2. Phone Layout

The following illustration shows the main elements of your phone.

2.1 LCD

1.5 Inch, CSTN LCD, 128 x 128 (Resolution).

2.2 Replaceable Design

KITTY-B has replaceable front and back cover with different artistic form to suite different occasions.



2.3 Keys Description

Function Keys

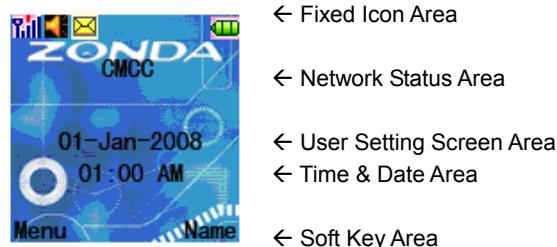
 [Left Soft Key]	<p>[Basic Function] Performs the functions indicated by the text in the left-bottom line of the display screen. Usually works as 'ok' key.</p> <p>[Idle Mode] Goto main Menu</p>
 [Right Soft Key]	<p>[Basic Function] Performs the functions indicated by the text in the right-bottom line of the display screen. Usually works as 'backward' key.</p> <p>[Idle Mode] Enter Phonebook menu.</p>
 [DIAL]	<p>[Basic Function] Used for dialing or answering a call. In the idle mode, launches the Dialed calls list.</p>
 [END]	<p>[Basic Function] Disconnect/End call button. Parallelly this key is used for Power ON/OFF operation. In menu mode, this key is used for returning to idle mode.</p>
Navigation Keys	
 [OK]	<p>[Basic Function] Performs the functions indicated by the text in the left-bottom line of the display screen. Usually works as 'ok' key.</p> <p>[Idle Mode]</p>

	<p>Enter main menu [FM Radio Mode] Pause & Continue to record FM Radio.</p>
 [Navi-Up Key]	<p>[Basic Function] Move the cursor or selection bar up (Text edit mode or menu mode) [Idle Mode] In the idle mode, press [Up], launch Inbox. [Audio Player] Play & Pause MP3 file [FM Radio] Press [Up] to change searching mode between semi-auto and manual searching mode on FM Radio interface.</p>
 [Navi-Down Key]	<p>[Basic Function] Move the cursor or selection down (Text edit mode or menu mode) [Idle Mode] Launch Shortcuts menu [Audio Player] Stop playing MP3 file [FM Radio] Play & Stop playing FM Radio.</p>
	<p>[Basic Function] Move the cursor or selection left (Text edit mode or menu mode) [Idle Mode]</p>

<p>[Navi-Left Keys]</p>	<p>Launch received calls. [Audio Player] Goto the previous MP3 file. [FM Radio] Search for FM channel leftwards.</p>
 <p>[Navi-Right Key]</p>	<p>[Basic Function] move the cursor or selection right (Text edit mode or menu mode) [Idle Mode] Launch Missed calls. [Audio Player] Go to next MP3 file [FM Radio] Search for FM channel Rightwards.</p>
<p>Alphanumeric Keys</p>	
	<p>[Press] Enter number and character string. [Press and Hold]  : Enter '+' (international call)  : On and Off silent mode [Text Input Mode] Switch the input methods  : (English input method) Insert a blank or "0".</p>

3. Display Layout

3.1 Display Screen



3.1.1 Fixed Icon Area:

8 fixed icons are displayed indicating the phone status.

3.1.2 Network Status Area:

Network name registered is displayed.

If there is no GSM network coverage, No Service is displayed. If you are in the coverage area of a GSM network but you are not allowed to register to the network, Emergency is displayed.

3.1.3 User Setting Screen Area:

Network, Owner Name or Greeting Text is displayed according to user's setup.

3.1.4 Time & Date Area:

Current time and date is displayed in the Time & Date Area.

3.1.5 Soft Key Area:

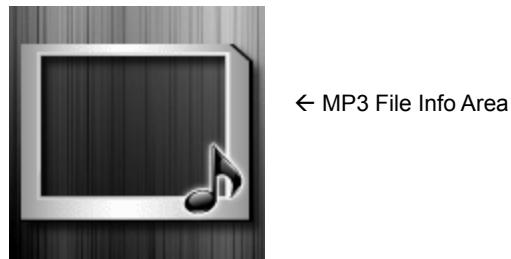
The functions assigned to the right and left soft keys.

3.1.6 Icons Descriptions

Icon	Description
	It is the received signal strength of Line1. The greater the number of bars, the better the signal strength.
	It is the received signal strength of Line2. The greater the number of bars, the better the signal strength.
	It shows the current battery charge level. The green area shows charge level of battery.
	Alarm icon,when the alarm clock is set.
	“GPRS” icon if GPRS Mode is on
	It shows Phone Lock mode
	It appears when you miss call
	It appears when SMS has been received
	It appears when MMS has been received
	It appears when MMS client is busy
	It appears when alert mode is selected as ring
	It appears when alert mode is selected as Vibrator

	It appears when alert mode is selected as Vibration and Ring
	It appears when alert mode is selected as Vibration then Ring

3.2 MP3 Mode Screen



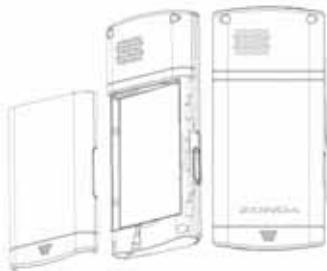
3.2.1 Icon Description

Icons	Description
	It shows volume strength level

4. Replaceable Cell Phone Cover

4.1 How to remove or install the battery cover

- Push downwards the battery cover to remove it.
- Get another battery cover to replace [it in the groove and then push it inward until it fix itself in the slot.](#)



5. Battery

5.1 How to attach the battery

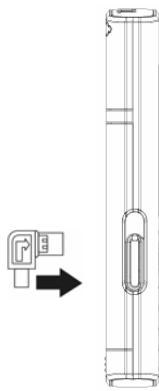
- a. Align the bottom of the battery with the slot in the bottom of the phone.
- b. Then sit the battery on the back of the phone until it clicks into place.

5.2 How to remove the battery

- a. Power off your phone first.
- b. Remove the battery cover.
- c. Unlock the battery using the battery release latch.

5.3 How to charge the battery

- a. Plug your charger in the wall socket.
- b. Connect the other end of the specified USB cable to the interface connector slot in the left top side of the handset. (Or plug the specified charger into the connector slot on the bottom of the handset.)



! Note: The phone automatically detects the battery status while the charger is connecting phone.

- Full status, it automatically recharges the battery.
- Normally the phone completes battery charging in two hours or a little more.
- For a new or completely discharged battery, it takes at least 4 hours of charging to achieve optimum performance.
- You can make calls while charging your phone.
- Do not charge the phone without the battery in place.

6. SIM Card

SIM Card provides additional services and functions besides making a call.

These functions will only display and work on the menu of

the phone if your SIM card supports them.

Some menu may not be shown depending on the SIM card supplied.

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) regarding availability of services related to the SIM card, application information and the costs.

6.1 How to place the SIM card

Ensure the phone is powered off and the travel charger is detached first. The SIM card is installed on the back of the mobile phone.

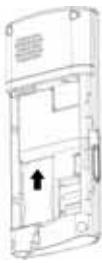
Slide the SIM card under the retention strap to insert it into the card slot as shown below:



6.2 How to remove the SIM card

Ensure the phone is powered off and the travel charger is detached first before removing the SIM card.

Follow the following diagram to remove the SIM card.



! Note: The SIM card is a computer chip containing information about your subscription, security, phonebook etc. When you register as a subscriber with GSM network operator, you are provided with the SIM card. Always handle the SIM card with care and insert with the gold contacts facing down.

7. T-Flash

T-Flash provides additional expandable memory for storage purpose. KITTY-B can support upto 1GB mini SD.

7.1 How to place the T-Flash

Ensure the phone is powered off and the travel charger is detached first before you start the following steps.

- a. Push the T-Flash holder in the direction of the arrow and hold it in this position.
- b. Insert a T-Flash under the two tabs on the right side of the phone, ensuring that the gold contact of the card face upward.
- c. Hold and push the T-Flash left direction and release the

rubber into place.



7.2 How to remove the T-Flash

Ensure the phone is switched off and the travel charger is detached first before you start the following steps.

- a. Remove the battery.
- b. Remove the T-Flash rubber and moving the T-Flash to right direction.
- c. Remove the T-Flash from the holder.
- d. Close the T-Flash door.**



8. Headset

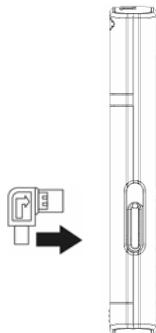
Insert the headset plug into the jack on the left side of your phone.

You can answer or end a call by pressing the hook button on the headset.

When you receive an incoming call while a call is in progress, you can answer the incoming call by pressing the hook button on the headset. (The first call is automatically put on hold.)

You can make the last number dialed call by pressing the hook button when the screen is idle.

The last number dialed is launched by pressing the hook button, and then the call will be made by pressing the hook button again.



! Note: If the headset is plugged in, your phone's standby time will be reduced. Therefore, please remove the headset when not in use.

B. Basic Operation

1. Power On/Off

To switch your phone On and Off, make sure that the battery is inserted.

- On power_off mode, Long press [END] until you hear the power-on melody.
- On power_on mode, Long press [END] until you hear the power-off melody.

! Note: Some SIM card may be protected with PIN. If Enter PIN is prompted, enter your PIN and then press [Ok].

2. Call Function

2.1 Making a Call

To make a call with your phone, insure that phone screen is idle mode, then key in the area code and phone number using the numeric keys and press [Send] & Menu confirmation key.

You can hear the connect tone when the call is answered by the called person, if you set the Connect tone to ON.

2.2 Making International Calls

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

Please Key in the country code, area code (without the leading zero) and the phone number. And then press [Send] & Menu confirmation key. The ‘+’ tells the network that the call is international.

2.3 Edit Phone Number

Key	Description
	<p>[Press] Delete a digit on the left side of cursor</p> <p>[Press and Hold] Delete all the digits</p>
	Move the cursor to the digit you want to edit

2.4 Using Phonebook

You can store the names and phone numbers dialed regularly in the SIM card and phone memory.

- See Phonebook List: If you want to go to the phonebook list, press [Right Soft Key], and then choose the name what you want to find using Navi-Up & Down keys. Press [Send] to dial then when you want to make a call or press [Left Soft Key] to go to option menu.
- Search Phonebook: If you want to search phonebook list with special name, press navi-down key, and then enter the name what you want to find. Input full name or even a start letter and select "OK" menu. If there is the name you want to call, choose the name by moving navi-up & down key. Press [Send] key when you want to make a call or press [Left Soft Key] to go to option menu.

2.5 Making a Call from Message

You can make a call from message by choosing "Use Number" Menu in the option of "Inbox" after you read a message.

2.6 Redialing the last Number

The phone stores the last 20 numbers dialed. To recall any of these numbers, proceed as follows.

- Press the Dial key to display a list of the last numbers.
- Use Up & Down navigation keys to scroll through the numbers until the required number is highlighted.
- Dial the number highlighted

2.7 Ending a Call

When you have finished your call, briefly press [END] key.

2.8 Answering a Call

When you answer a call, the phone rings or vibrates according to the setting with the incoming call animation.

When the caller can be identified, the caller's phone number and name, if stored in phonebook, will be displayed. If the caller cannot be identified, only the caller's phone number will be displayed.

- If necessary, Press the Dial (also called send key) key. If the **Any key Answer** option is set to **ON**, you can press any key to answer a call except for the power on/off key.
 - To reject an incoming call, press [END] key or press

[Right Soft Key] to "Reject" call.

- End the call by closing the phone or pressing the [END] key.

2.9 Emergency Call

Ensure that the phone is switched on and in service.

Enter the emergency number (Official emergency number or another official emergency number) and press the Dial key. Give your location. Do not end the call until given permission to do so.

End the call by closing the cover or pressing the Menu exit key.

! Note: In the situation such as power-on that **Enter Lock Code** or **Enter PIN** is prompted, some network may not allow the emergency call and may request to insert SIM card.

2.10 Entering a "Pause" Character in a Dial String

A pause ("P") character may be entered into a dial string by pressing the left special function key("*") three times.

2.11 Adjusting Earpiece Volume

During a call, you can adjust the earpiece volume by pressing [Up] or [Down] navigation key.

2.12 Using the Earphone

If you insert the earphone to the jack of your phone, you can use it in the same way as your phone's earpiece and microphone.

You can answer or end a call by pressing the hook button on the earphone.

To answer another call while you are on the phone, you can answer the waiting call by pressing the hook button on the earphone.

3. Multimedia Function

3.1 Audio player

If you want to play MP3 file, please follow the procedure as below

- Choose “Multimedia” in Main Menu --> Multimedia --> Audio player shall play the audio files stored in the music file available in the phone or memory ,If you want to play the Audio file from other location you will have to select specific file to be played.
- Press [Left Soft Key] (List) to enter MP3 file list.
- Press [OK] to play MP3 file.

4. Text Input Mode

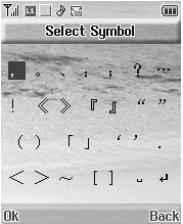
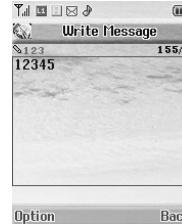
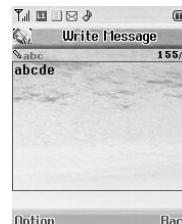
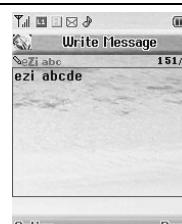
4.1 Text Input mode general

You can input and edit text by this phone.

- Write and edit a message (SMS/MMS)
- Enter Name (Phonebook)
- Search mode
- Write and edit the name of bookmark and WAP profile (WAP)

4.2 Text Input Methods

This mobile phone provides [English input method](#).

Mode	Screen (SMS write mode)	Mode	Screen (SMS write mode)
Symbol		Numeric	
MultiTap ABC		MultiTap abc	
eZi ABC		eZi abc	

4.3 General Function Key

Key	Description
	Press [Left Soft Key], Go to option menu screen
	Press [Right Soft Key], Go back to the previous mode.
	Press [Left] key, Move the cursor to the left direction by a character Press and Hold this key, Scroll the cursor leftward.
	Press [Right] key, Move the cursor to the right direction by a character Press and Hold this key, Scroll the cursor rightward.
	Press [Up] key, Move the cursor one line up Press and Hold this key, Scroll the cursor upward
	Press [Down] key, Move the cursor one line down Press and Hold this key, Scroll the cursor downward
 [Right Soft Key] "Clear"	[Press] Clear a character Press and Hold this key, Clear the entire entry

	Go back to the idle screen
	Switch the input method
	Switch to sign input method

4.4 ABC or abc input mode

Press one time to input one corresponding character, For example, press “2” key to input “A” , press “3” key to input “D”, continue to press “2” to input “ada”.

Key	Description
	Insert a blank
	Insert symbols (. , - ? ! ' @ : # \$ / _)
	Select English characters. Switch the character until the desired character is highlighted by pressing the alphanumeric key from 2 to 9.

4.5 Smart English mode (eZi ABC, eZi abc)

Compared with MultiTap English input method, this input method reduces the times of key press, so as to improve the input speed.

Key	Description
	Insert a blank
	Insert stroke ‘:’
	Input English characters directly without pressing the alphanumeric key until the



desired character is highlighted, this input method will show the possible spellings and correct words to be selected.

4.6 Numeric mode

Under state of this input method, press number key



to input corresponding number.

4.7 Insert Symbols mode

Press “” key to switch to sign input method, press

[navigation](#) keys to select the sign needed.

5. Phonebook

You can store phone numbers and its corresponding names in the memory of your phone and SIM card. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called phonebook.

5.1 Storing a Phone Number with a Name and an Image

As soon as you start to enter a number, press [Left Soft Key] (Save) to store the number in the phonebook.

5.1.1 In phone number box, you can input the number up to 40 digits.

5.1.2 Select the storage from “To SIM” or “To Phone.” You can also check how many you saved and total entries you can store in the storage.

5.1.3 On selecting the storage to be SIM you can edit the name and phone number. If you select the storage to be phone, you have eleven categories to be edited. To select the category, scroll to the category and press the [Left Soft Key] to edit. Eleven categories are available;

- Name: Max. 30 English characters. Press [Edit] to input the characters.
- Number: Max. 40 digits. Enter digits by pressing alphanumeric keys.
- Home Number: Max. 40 digits. Enter digits by pressing alphanumeric keys.
- Company Name: Max. 20 English characters. Press [Edit] to input the characters.
- Email Address: Max. 60 English characters. Press [Edit] to input the characters.
- Office Number: Max. 40 digits. Enter digits by pressing alphanumeric keys.
- Fax Number: Max. 40 digits. Enter digits by pressing alphanumeric keys.
- Birthday: Enter digits by pressing alphanumeric keys.
- Associate Picture: Allows you to set an associate picture as a Photo Caller ID; the phone will display the selected image when you have an incoming call. Select by pressing the navigation key to the right or left. You can select from 4 pre-defined images and select from file manager.
- Associate Sound: Select by pressing the navigation key to the right or left.

- Caller Group: 6 groups (Friends, Family, VIP, Business , Others or none). Select a caller group by moving the navigation keys. If you choose no group, the number is saved and displayed "None."

5.2 Storing a Phone Number using the Phonebook Menu

- 5.2.1** Enter Phonebook menu on main menu screen.
- 5.2.2** Scroll to 'Add New Entry' and select it
- 5.2.3** Select the storage between "To SIM" and "To Phone."
- 5.2.4** Select a category to edit. To select the category, scroll to the category and press the [Edit] soft key (left).

5.3 Searching the phonebook list

- 5.3.1** From Idle Screen: Press the right soft key (name) on the idle mode. This menu shows the existing list and search window.
- 5.3.2** From Phonebook Menu: Choose Phonebook menu in Menu --> Phonebook --> Search. This menu shows the existing list and search window.

II. Operation Instruction

A. Menu Operation

1. Phonebook

Phonebook offers phonebook storage, management and services. You can access to the phonebook from idle screen, phonebook menu, and message writing modes.

From Idle screen, press [Menu] to enter Phonebook

function, it will display the phonebook data sorted by name in your SIM Card and phone memory.

From the Phonebook menu, you will have 8 sub menus as the following.

1.1 Quick Search

When you select the Search in the Phonebook menu, you will see all entries saved in the phonebook. This function allows you to search the phonebook data by name; simply type in alphabet(s), the phone will show you the search result dynamically.

From the phonebook list, you can also View, Edit, Delete, Copy, and Move the entry.

- IP Dial: You can dial the entry through the IP number.
- View: You can view the entry's contents such as name, number and so on.
- Edit: You can edit the entry items.
- Delete: You can delete the entry.
- Copy To SIM(Phone): You can copy the entry from SIM to Phone or from Phone to SIM. You will have the same entry in a different storage. (SIM + Phone)
- Move To SIM(Phone): You can move the entry from SIM to Phone or from Phone to SIM (SIM → Phone, Phone → SIM). Entry will be deleted from the original position and saved only in the destination location.
- Copy To Phone(SIM): You can copy the entry from Phone to Phone, or from SIM to SIM (SIM → SIM, Phone → Phone).

1.2 Search entry

You can input its name to search the entry from phonebook, and mobile will list all the entries with the same name.

1.3 Add New entry

You can add the new entry to SIM or Phone memory. Please see "**Storing a Number using the Phonebook Menu**".

1.4 Copy all

You can copy all phonebook data from SIM card to Phone or from Phone to SIM. It is a useful function if you want to back up your phonebook data from a SIM card to your phone and vice versa.

1.5 Delete

You can delete all phonebook data in SIM card or Phone. In addition, you can delete the phonebook data one by one.

1.6 Caller Group

You can setup and edit Caller Group profiles as following.

- Group Name: Edit the group name and press the [Left Soft Key] to enter Option and select "Done" to save the changes.
- MIDI (MIDI 1 ~15 / None or Ring1~Ring10): Allows you to select the ring tone to be used when you receive a call from a person in the group. Scroll left and right with the navigation keys.
- Picture (Picture 1~4 / Select form file): Allows you to

select incoming call picture when you receive a call from a person in the group. Scroll with the navigation keys to change the picture and go to the next line to select. Or if you want to view and select, select the [Left Soft Key] to View and scroll with the left and right navigation keys, and then press [OK] to select the picture.

- Color Pattern (Color Pattern 1~6 /None): You can select Color Pattern 1~6 or None.
- Member List: After storing numbers in the phonebook, you can search them by Group. You can add or delete member(s) to the group member list. Press [Left Soft Key] to enter Option, then select "Add," it will display a phonebook list excluding the members already in the group. It is possible to set a member in multiple groups.

1.7 Extra Number

You can view and edit Owner number and SOS number.

- Owner Number: You can display your mobile phone number. Press [Left Soft Key] to enter Option, you can edit owner's name and phone number.
- Service dialing number: You can display Service dialing number.

!Note: This needs SIM card to support this function.

- SOS Number – lists up the SOS Number.

1.8 Settings

You can view and edit the management for the Phonebook

as following.

1.8.1 Memory Status

You can check how many entries are stored in the phonebook (SIM card and phone memories) or how much free space is remained.

!Note:It can save 300 entries in Phonebook.

1.8.2 Preferred Storage

You can set your preferred storage either to SIM or to Phone as default storage in the phonebook.

1.8.3 Fields

There are eight fields that you can set on or off in your phonebook entry.

Press [Left Soft Key] to turn on or off the field.

- Home Number
- Company Name
- Email Address
- Office Number
- Fax Number
- Birthday
- Associate Picture
- Associate Sound
- Caller Group

2. Messages

With this menu, you can use SMS, MMS, Voice Mail Server, and Broadcast message. These functions are available depending on network services that your service provider supports.

! Note: If you receive a call while you are writing a message, the message will be backup and after hanging up the call, the phone will display “write message” mode. You can finish the message without losing the data.

2.1 Messages

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

2.1.1 Write Message

With this menu, you can write a message.

2.1.1.1 SMS

Select “Text Message” menu in the “Write Message” menu.

You have Use Template, Insert Object, Format text, Insert PHB Number, Insert PHB name, Insert Bookmark, and Input method options.

After you complete the message, press [Left Soft Key] to enter Option and then select “Done”. Choose one of following options.

- Send Only: Send the message to the recipient phone number. It will not save the message.
- Save and Send: Save the message, and send it to the required recipient.
- Save to Drafts: Save the message to Drafts 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: Send the message to the Caller

Group. Select a Caller Group from the list.

You can input the number directly or get from the phonebook by pressing [Left Soft Key] to Search.

The phone will display the Message sending Successfully or Fail message on the screen for all recipients.

2.1.1.2 MMS

The MMS (multimedia messaging service), also called Photo Message, it allows end-users to send and receive messages containing multimedia content (including images, video, sound and text). It provides a rich media of personal multimedia messages from between mobile to mobile, and mobile to e-mail.

With this menu, you can write a message and insert Image, Sound, Attachment, and bookmark text.

Select “Multimedia Message” menu in the “Write Message” menu.

Make a message. You can edit To, CC, BCC, Subject, and Content.

You can input the number directly or get from the phonebook by pressing [Left Soft key] to Search.

After you complete the message, press [Left Soft Key] to enter Option and then select “Done.” Choose one of following options.

- Send Only: Send the message. It will not save the message.
- Save and Send: Save the message, and send it to required recipient(s).

- Save to Drafts: Save the message to Drafts. You may send it later.
- Save as template: Save the message as Templates.
- 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.

The phone will display the Message sending Successfully or Fail [report](#) on the screen for all recipients.

2.1.2 Inbox

With this menu, you can view the new 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 press [Ok] or [Left Soft Key], you can view the message contents.

Press [Left Soft Key] to execute the following options:

- Reply: You can reply to the sender.
- Forward: You can forward the message to others.
- Edit: You can edit the message, and send or save the edited message.
- Delete: You can delete the viewed message
- Delete all: You can delete the all messages.
- Use Number: You can call the sender back or save the number to the phonebook.
- Use URL: You can save URL to phonebook.
- Advanced (Copy to Phone / Move to Phone / Copy All Text Messages / Move All Text Messages)

2.1.3 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.

2.1.4 Sent

The Sent option displays the list of sent messages.

- Forward: You can send the selected message to others. The user could select this item and edit the recipient's address and subject before sending.
- Edit: You can edit the message, and send or save the edited message.
- Delete: You can delete the selected message.
- Delete all: You can delete all messages in Sent box.
- Use number: You extract all numbers from the selected message.
- Use URL: You can save URL to phonebook.
- Advanced (Copy to Phone / Move to Phone / Copy All Text Messages / Move All Text Messages)

2.1.5 Drafts

You can save your unsent message to Drafts. You can send the message in Drafts after finishing SMS/MMS writing.

Options on saved messages are as following:

- Send: Send the saved message to the recipient(s).
- Edit Message
- Delete: Delete the message.
- Delete All: Delete all messages in the [draft](#) box.

- Use Number: Dial or Save to Phonebook.
- Use URL: Save URL to phonebook.
- Advanced (Copy to Phone / Move to Phone / Copy All Text Messages / Move All Text Messages)

2.1.6 Delete folder

Delete the messages of Inbox, Outbox, Sent, Drafts and Delete All Folders.

2.1.7 Template

You can edit and delete message templates in this menu. You can store your frequently using messages up to 10. For example, "Call Me Now," "How about lunch," "How are you," and so forth. You can store up to 40 English letters in each template. You can use the Template by selecting "2.Use Template" option, when you write a SMS.

2.1.8 Message Settings

You can setup default Message Information: Profile Setting, Common Settings, Memory Status, Preferred Storage, and Preferred Bearer.

2.1.8.1 Text Message

- Profile Setting

Depending on your service provider and service plan, you can set the message profile setting.

You can edit the profile as following:

- Profile Name: Edit the profile name.
- Message Center Number: You have to get the number from your service provider.
- Valid Period: Choose from Maximum, 1 hour, 6

hours, 12 hours, 1 day, 3 days, 1 week

- Message Type: Choose from Fax, Page, E-mail, Text.
- Common Setting
You can set on or off the following common settings for SMS.
 - Delivery Report: This allows you to set delivery report On or Off. When this function is set to On, the network informs you whether or not your message has been delivered.
 - Reply Path: This allows the recipient of your Message to send you a reply via your message centre, if the network provides Message service. Press [Left Soft Key] to turn this option On and Off.
- Memory Status
This shows memory status of SMS in your SIM card or Phone.
- Preferred Storage
You can set your preferred storage for the SMS messages as SIM or Phone.
- Preferred Bearer
You can set your preferred Bearer for SMS. Bearer options are "Prefer GPRS, Prefer GSM, GSM Only."

2.1.8.2 Multimedia Message

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.

- Compose

This sets up parameters when you compose MMS messages.

- Creation Mode: You can set the creation mode as Free or Restricted.
- Image Resizing: You can resize images.
- Auto Signature: You can set the auto signature.

- Send

This sets up parameters when you send MMS messages.

- Validity Period: You can select the period in which the service center try to deliver message. When the message expires, message center will not try to deliver the message. Maximum period is what service provider permits.
- Delivery Report: This allows you to set delivery report on or off. When this function is set to on, the network informs you whether or not your message has been delivered.
- Read Report: You can set whether to receive a read report from every recipient.
- Priority: You can set the priority (High, Normal or Low) of MMS message.
- Sliding Timing: You can set how long you want

- the message to play. Input number(s) in seconds.
- Delivery Time: You can set how soon the phone will send your message. (Immediate, In One Hour, In 12 Hours or In 24 Hours)
- Retrieve
 - This sets up parameters when you retrieve MMS messages.
 - Home Network (Immediate / Delayed /Rejected).
 - Roaming (As Home / Delayed / Rejected).
 - Read Report (On Request / Send / Never Send).
 - Delivery Report: This allows you to set delivery report on or off. When this function is set to on, the network informs you whether or not your message has been delivered.
- Filters
 - You can filter MMS Messages by two categories as following.
 - Anonymous (Allow / Reject)
 - Advertisement (Allow/Reject)
- Server Profile
 - Select from profile list. You can activate the profile or edit the profile.
 - Rename profile: Edit the profile name.
 - Homepage: Enter URL
 - Data Account: Select data account from the list.
 - Connection Type:
 - ◆ WAP: To edit IP Address
 - ◆ HTTP: You can set the HTTP proxy server

- address and port.
- User name: Enter user name.
- Password : Enter your password
- Memory Status
 - This shows usage count, total memory used, and remaining memory.

2.2 Voice Mail Server

Your phone is capable of dialing with voicemail server number (if provided by your network). If the voicemail has arrived, your phone displays new message in the idle screen and sets to inform you of the arrival. Select the Voice Mail from the list and press [Option] soft key (left). By Selecting the Edit option for editing the Voice Mail server number. By selecting the Connect to Voice option, 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.

2.3 Broadcast message.

Your phone supports Broadcast message, and you can receive, read, set language and set cell broadcast channel, and the forth.

- Receive Mode: Select it to On to enable receiving cell broadcast messages.
- Read Message: Read cell broadcast messages.
- Languages: Set the receiving language of cell broadcast

- messages.
- Channel Setting: Set the cell broadcast channel.
- ! **Note:** Cell broadcast is provided by the Operator, please contact your Operator.

3. Call History

With this menu, you can identify **60** 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.

3.1 Missed Calls

This menu lets you view the last 20 missed calls.

In the missed 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 Dial key.

There are 6 options in Option menu as following:

- Delete: You can delete the record.
- Save to Phonebook: You can save the record to the phonebook.
- Dial: You can call back to the recorded number.
- Edit: You can edit the number and save to the phonebook.
- Send SMS: SMS can be sent to the number selected.
- Send MMS: MMS can be sent to the number selected

3.2 Dialed Calls

This menu lets you view the last 20 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 Dial key.

There are 6 options in Option menu as following;

- Delete: You can delete the record.
- Save to Phonebook: You can save the record to the phonebook.
- Dial: You can call back to the recorded number.
- Edit: You can edit the number and save to the phonebook.
- Send SMS: SMS can be sent to the number selected.
- Send MMS: MMS can be sent to the number selected.

3.3 Received Calls

This menu lets you see the last 20 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 Dial key.

There are 6 options in [Option] menu as following;

- Delete: You can delete the record.
- Save to Phone: You can save the record to the phonebook.
- Dial: You can call back to the recorded number.
- Edit: You can edit the number and save to the phonebook.
- Send SMS: SMS can be sent to the number selected.
- Send MMS: MMS can be sent to the number selected

3.4 Delete Call Log

This menu lets you delete all call data of each category at once. There are 4 categories of call as following.

- Missed Calls: Allows you to delete all missed call data.
- Dialed Calls: Allows you to delete all dialed call data.
- Received Calls: Allows you to delete all received call data.
- Delete All: Allows you to delete all calls data which includes Missed calls, received calls and dialed calls.

3.5 Call Time

This menu lets you view the timers for calls made and received. The following timers are available.

- Last Call Time: Total duration of the last call.
- Total Sent: Total duration of all calls made since the last reset.
- Total Received: Total duration of all calls received since the last reset.
- Reset All Time: Allows you to reset the call timers.

! 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.

3.6 Call Cost

You can view the cost of the last call, or of all calls. Costs are shown only if your network operator supports this service. The following 5 options are available.

- Last Call Cost: You can check the cost of the last call.

- Total Cost: You can check the cost of all calls.
- Max Cost: Enter PIN2 and input a limitation of the Max Cost.
- Reset Cost: You can reset the call 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.

3.7 SMS Counter

You can view the numbers of sent and received SMS.

3.8 GPRS Counter

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

- Last Sent: You can view the last data sent detail through GPRS data packet service.
- Last Received: You can view the last data received detail through GPRS data packet service.
- All Sent: You can view the total data sent through GPRS data packet service from last reset.
- All Received: You can view the last data received detail through GPRS data packet service.
- Reset Counter: Allows you to reset the GPRS Counter.

3.9 Auto quick end:

You can set Auto Quick End as “On” or “Off”, and can set auto quick end time (1~9999s).

4. Settings

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

4.1 Phone Setup

In Phone Setup, you can execute such operations as:Time and date, Schedule Power On/Off, Language, Display characteristic,Greeting Text,Speed dial, Shortcuts, Dedicated Key, Auto update of date and time, Flight mode and Misc Setting.

4.1.1 Time and Date

You can set time and date for your phone.

- Set Home City: This menu allows you to set a city as your home city from 57 cities list. Please select the closest city in the list.
- Set Time/Date: This menu allows you to set the current time and date displayed in the idle screen.
 - HH:MM: Input hour in 24 hour format and minute. Press [Ok] soft key (left) to save.
 - YYYY/MM/DD: Input year, month and day. Press [Ok] soft key (left) to save the time and date.
 - Daylight Saving (On / Off):This allows you to select the daylight saving.
- Set Format: Allows you to select a time display type between12 Hour AM/PM type and 24 Hour type.

When the time format is in 12 Hour type, you can change AM and PM by Navigation key. Date Format:

- DD/MM/YYYY (ex. 31/01/2008)
- MM/DD/YYYY (ex. 01/31/2008)
- YYYY/MM/DD (ex. 2008/01/31)
- YYYY-MM-DD (ex. 2008-01-31)
- MMM DD,YYYY (ex. Jan 31, 2008)
- DD-MMM-YYYY (ex. 31-Jan-2008)

4.1.2 Schedule Power On/Off

You can set a schedule for powering on and off your mobile phone. When you schedule the power on or off, the phone will power on or off at every scheduled time. When the phone powers on, it will alarm with alarm tone. It is useful when you want to turn off your phone while you are sleeping, and let the phone power on in the morning so that you would not miss any call or alarm.

To set this option, press [Edit] soft key (left) and edit the following options.

- Status (Disable/ Enable)
- Power On/Off: Choose on or off by pressing the left or right navigations keys.
- Time: Input time in 24-hour scale.

4.1.3 Language

This menu allows you to set the display language. Select your preferred language and press [Ok] soft key (left) to save the setting. When you change the language setting, the phone will display in the corresponding language mode.

The following option is available.

- English
- Espanol

4.1.4 Display characteristic

This menu allows you to customize how you want your phone display items below.

4.1.4.1 Wallpaper: You can select a wallpaper image as following.

- System: Select wallpaper image from 8 images.
- User Define: You can search for images and photos in the File Manager. However, there is a size limitation (176x220 pixels) to use an image as wallpaper image.

4.1.4.2 Screen Saver: This menu allows you to set the screen saver setting. The phone will display the selected image in a full screen, when there is no key input on the phone.

- Setting:
 - On/Off
 - Waiting : 5sec, 15sec, 30sec, 1min
- Select:
 - System: Select screen saver image from 8 images.
 - User Define: You can search for images and photos in the File Manager. However, there is a size limitation to use an image as wallpaper image.

4.1.4.3 Power On Display

- System: Select power on display image from 8 images.

4.1.4.4 Power Off Display

- System: Select power off display image from embedded images.

4.1.4.5 MainMenu Style:

You can select the MainMenu style between list, matrix and page style.

- Matrix Style: List 9 function icons with matrix display in one page.

Page Style: You need to press the left and right navigation keys to turn to the next page.

4.1.4.6 Show date and time

You can set the phone to display or hide date and time in the idle.

4.1.4.7 Show Owner Number

You can set the phone to display or hide the owner number or not in the idle.

4.1.4.8 Show Network Details

You can set the phone to display or hide Operator Name on the idle screen.

4.1.4.9 Flashlight Setting

You can set Flashlight On/Off or its color.

4.1.5 Greeting Text

The Greeting Text menu allows you to display a greeting text on the idle screen.

You can edit and set the Greeting Text. After you edit the Greeting Text, press the [Done] soft key (right) to save.

4.1.6 Speed Dial

You can enable, disable and edit the speed dial from the number 2 ~ 9 keys.

- Enable Speed Dial (On/Off) : You can choose to enable or disable the speed dial
- Set Number: You can set the speed dial from the number 2 ~ 9 keys. Press [Option] soft key, and select "Edit" and select the entry from the phonebook list.

4.1.7 Shortcuts

This allows you can register menu item to dedicate menu list.

You have more than 40 menu items and can register shortcut menu up to 10 items

! Note: refer to the menu 'Phone setup Dedicated key' regarding assign menu item to navigation keys.

4.1.8 Dedicated Key

This menu allows you to set the dedicated function

for the navigation key in the idle mode.

You can dedicate the Up/Down/Left/Right navigation keys to menus. Select from the menu lists, and press [Ok] key to change the dedicated menu.

! Note: Refer to the menu 'Shortcuts' regarding make up the menu list.

4.1.9 Auto update of Date and Time:

This menu allows the phone to update the current date and time automatically. You can turn on or off this function by pressing the [On] or [Off] left soft key.

4.1.10 Flight mode

This menu allows using the phone on flight. You can use the Phone Book, Multi Media, File Manager, Fun & Game, User Profiles and Organizer on flight.

1. Normal Mode
2. Flight Mode
3. Query When Power On

! Note: You cannot make or receive calls in this mode.

Though your phone has flight mode, on the airplane, it is forbidden to use phones. Because your phone has the auto power-on function, please check your alarm clock setting and ensure that your phone will not automatically power on during the flight.

4.1.11 Misc settings:

- LCD Backlight: You can customize the LCD

Backlight settings in this menu.

The LCD backlight is automatically off after no key input to save the battery life.

You can set the brightness and time by this menu. The backlight will be off after the time you set.

Time: 5 Sec to 60 Sec

4.2 Call Setup

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

4.2.1 Caller ID

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

You can set the following options for the Caller ID function as following.

- Set by Network: The network will decide whether to send or hide the Caller ID.
- Hide ID: If you do not want to send your phone number, select [Hide ID] menu.
- Send ID: It will send the Caller ID when you call out.

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

4.2.2 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.

The following options for each service are available:

- Activate: activates the call waiting service.
- Deactivate: deactivates the call waiting service.
- Query Status: displays the status of the call waiting service.

4.2.3 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.

You must enter a forward number when you have incoming call(s).

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

4.2.4 Call Barring

This network service allows you to restrict your calls.

Call barring can be set up in the following ways:

- Outgoing Calls
 - All Calls: prohibits outgoing calls.

- International Calls: prohibits outgoing International calls.
- International Calls except to Home PLMN: When abroad, you can only make a call to numbers within the current country and to your home country that is the country where your home network provider is located.
- Incoming Calls
 - All Calls: prohibits receiving all incoming calls.
 - When Roaming: prohibits receiving calls when you are using your phone outside of your home service area.
- Cancel All: Deactivated all call barring settings. You will be able to make and receive calls normally.
- Change Barring PW: 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.

4.2.5 Line Switching

You can select line1 or line2.

! Note: Choose Line1, it is on the normal state of calling; Choose Line2, you can only accept the incoming call but can't send the outgoing call.

4.2.6 Call Time Reminder

You can set the call time reminder as the following options:

- Off
- Single
- Periodic

4.2.7 Call Time Display

You can set whether you want the phone to display the call time or not.

4.2.8 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. To redial proceed as following.

When the other party does not answer, the phone automatically hangs up the phone and redials the phone number.

Press the Dial key or hook button on your ear/microphone when you are using ear/microphone.

The phone will redial 10 times to make a call.

4.2.9 Closed User Group

This menu allows you to fill out a closed user group, and send it to the network. However, this feature is depending on the network's availability.

4.2.10 IP Dial

This menu allows you to set up 3 IP numbers.

4.2.11 Call In Firewall

If you choose “Call in Firewall”, input the default code of “1122”, you can enter its submenu. And you can set “Deny List” & “Allow List”.

- Deny List
 - On/Off: You can set
 - Deny Member List:
 - Unknown Call In Number:
- Allow List
 - On/Off
 - Allow Member List & Modify.

4.2.12 Messenger Firewall

Deny List

- On/Off: You can set
- Deny Member List:
- Unknown Call In Number:

Allow List

- On/Off
- Allow Member List & Modify.

4.3 Network Setup

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you wish. These settings might affect your monthly bill and your phone's network performances.

4.3.1 Network Selection

The Network Selection feature enables you to select

automatically or manually the network used when roaming outside your home area.

- Automatic: You will be connected to the first available network when roaming.
- Manual: Press [New Search], the phone scans for the available network, and you can select the network manually.

4.3.2 Preferred Networks

You can set your preferred networks. The phone will list up PLMN list. The following options are available:

- Add From List
Select from PLMN list and press [Ok] key and select priority. The priority is for among your preferred networks.
- New
 - MCC/MNC: input 5 digit numbers.
 - Priority: select from Set the priority by pressing navigation keys to the right or left.
- Change Priority
Set the priority by pressing navigation keys to the right or left.
- Delete
Delete the selected preferred network from the list.

4.3.3 GPRS Connection

Press [Change] soft key (left) to change the setting for the GPRS connection. It will switch and save the GPRS connection to set on:

- Always

- When Needed

4.4 Security Setup

There are five 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.

4.4.1 SIM Lock

When the SIM Lock feature is on, the phone only works with the current SIM. If you turn on the phone with uncertified SIM, the phone will ask the password. Once the correct password has entered, the phone shall work with uncertified SIM.

4.4.2 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. Factory default password is “0000”, you can change password by your own.

4.4.3 Auto Keypad lock

You can set the waiting time of the keypad lock, after you set the keypad lock, the phone will be locked automatically if it is not used in specified period.

4.4.4 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.

- Edit: you can see and edit FDN entry.
- Add: you can add FDN entry.
- Delete: you can delete FDN entry.

4.4.5 Barred dial

This function is just opposite to Fixed Dialing mode, you can disable outgoing calls to the barred phone numbers.

4.4.6 Change Password

You can change default password include PIN, PIN2, Phone Lock Password (default password is “0000”) and Security Keyguard Password (default password is “0000”).

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

4.4.7 Insurance against theft

If you has set its control phone and turned on this function of “Insurance is changed by others, after he powers on phone, he will have to input the cipher password, and the phone background will automatically send a message of “Your handset is used without authority” to the control phone.

- Control / Info. List:You can input control phone

number.

- Turn On /Close: You can set this function “Turn On” or “Close”.

4.4.8 Secret Menu Setting

You can set main modules as “On” or “Off”, including: Phonebook, Message, Call logs, File manager, Sound Recorder and Audio player. For example, if you set “Phonebook ” as “On”, every time you enter “Phonebook” from Main Menu or the idle, you have to input the cipher password.

4.5 Restore Factory Settings

This feature would reset the telephone to the same settings as those configured at the factory. You will need to input password to restore factory settings. Factory default password is “1122”.

4.6 Emergent Rescue

If you have turned on “Insurance against theft” and saved the control phone number, you can activate one of the three default rescue messages, when you meet with emergency, please long press [0] in the idle, and the phone will send the specified rescue message to the control phone number, the other will help you as soon as possible.

5. Multimedia

The Multimedia menu provides you several multimedia functions. You can enjoy your phone as multimedia device.

5.1 Audio Player

You can listen to MP3 music files with the Audio Player.

Two ways to access to the Audio Player:

- By selecting Menu --> Multimedia --> Audio player.
- Menu --> file manager --> Phone/Memory card --> open to play one file at a time.

To view the music list, press [List Soft Key]. It will display available music list from the Phone depending on **Player** List setting. To play the music, press [Left] or [Right] navigation key, or press [Option] soft key and select "Play".

The following Options are available:

- Settings:
 - Press Play List (from phone/card): You can search the play list from phone or memory card.
 - List Auto Generation (On/Off): you can select whether to generate the music list automatically or manually.
 - Repeat (One/All/Off): Set repeat option. When you select one or all, it will repeat the selected file or all music files. When you select this option to "Off", it can play only the current music file one time and stop.
 - Shuffle (On/Off): Set the shuffle feature on or off. This function is useful if you want to listen to the music in random order rather than from first file to the last.
 - Background Play (On/Off): Set the Audio Player to play the music while you are using the phone other than audio player, such as menu navigation.

- Sound Effects: Set the Equalizer: (Normal / Bass / Dance / Classical / Treble / Party / Pop / Rock).

5.2 Sound Recorder

With this menu, you can record sound in AMR and WAV format and use it as voice memo, ring tone and MMS attachment.

- When there is no record file in the Sound Recorder, there are two options:
 - Record: Start recording
 - Settings: Under setting there are three options i.e. Preferred storage, File format and audio quality.
 - ◆ Preferred storage (Phone/Memory)
 - ◆ File format (AWB/AMR/WAV)
 - ◆ Audio quality (High/Low)
- If you have more than one record file, there are 8 options:
 - Record : Start recording
 - Play: when there is a file in the list, it will play the recorded sound file.
 - Append: Record right after the selected sound file.
 - Rename: Change the file name.
 - Delete: Delete the selected file.
 - Delete All: Delete all files in the sound record list.
 - Settings: Select recording the sound in AMR, AWB and WAV format.
 - Forward
 - ◆ To User Profile: allows you to use the sound file as a Ring Tone.

- ◆ To MMS: allows you to write an MMS message with the selected sound file.

5.3 FM Radio

Listen to the FM radio. Connect the headset to the phone as it works as the antenna.

To search for a broadcasting frequency, you can use Preset Auto Search or press [Left] or [Right] navigation key to move 0.1 MHz.

5.3.1 Radio Options

You can access to the more functions by pressing the [Option] soft key (left) for the following options and settings for the Radio.

- Channel List: Save up to 30 radio channels. It can be edited manually, or list the result of Auto Search.
- Manual Input: Use  ~  and  to input a frequency of the desired radio channel manually.
- Preset Auto Search: Use this function to start the channel search automatically, when the channels are found, Searching stops, and these preset channels display in channel list.
- Settings:
 - Background Play: Listen to the radio while you are using the phone other than FM Radio, such as Message Interface.
 - Loud Speaker: Use the speaker.
 - Record format: You can set the format of the recorded files.

- Audio quality: You can set audio quality of the recorded files, e.g. High or Low.
- Record storage: You can set storage location of the recorded files, e.g. Phone or Memory Card.
- Channel effect: You can set channel effect, e.g. Stereo or Mono.
- Record: During listening to FM Radio, you can record in-phrase.
- Append: You can append the recorded files with the format of Amr, the latter sound will be appended behind the previous sound.
- File list: You can goto the list of the recorded FM radio files.

! Note: While using this function, you have to keep the headset connected to the phone.

5.4 Schedule FM record

After you enter this feature, you can edit FM Record Schedule, On Schedule FM Record, you can execute the followings, and then save this schedule. When you start FM Radio with earphone plugging in, it will carry out the Schedule FM Record.

- Schedule FM Record: On/ Off.
- Schedule FM Record Time: To set FM Record Date and time.
- Repeat: To set FM Record frequency.
- Channel Setting: To select Channels by manual input or by choosing from Channel list.
- Record Setting: You can set Record Format or Audio

5.5 Melody Compose

With this menu, you can create an Melody file.

5.5.1 Compose a melody

When you first use the Melody Compose, press the [Add] soft key (left) to start composing a melody pressing the numeric keys. The following are the descriptions.

Key	Description
	Insert 'Do'
	Insert 'Re'
	Insert 'Mi'
	Insert 'Fa'
	Insert 'Sol'
	Insert 'La'
	Insert 'Si'
	Insert Vibration – allows the phone vibrates.
	Insert Light – allows the LED lit.
	Insert Rest – indicates the rest place.
	Press [1~7], and then press [*] key, increases or decreases the note (). Press [0], and

	then press [*] key to select rest (♩♩♩♩♩♩).
	Changes the accidentals. Press 1~7 and then press [#] key; the musical scale will be switched with between Sharp (#) / Flat (b), if applicable.

5.5.1.1 Options

There are four options while you are editing

- Play: Play the composed file before you save the file.
- Play Speed: Set the melody speed (Fast / Normal / Slow).
- Select Instrument: Choose the instrument (Piano / Guitar / Violin / Saxophone / Steel Drums / Flute / Harmonica / Trumpet / Music Box / Xylophone).
- Save: Save the melody

Press the [Option] soft key and select "Save." Edit and save a file name by pressing the [Option] soft key (left) and select "Done."

5.5.1.2 Existing a record file

If you have more than a record file, press [Left Soft Key] to enter Option, and select 'Add' to start composing a melody.

There are 7 options:

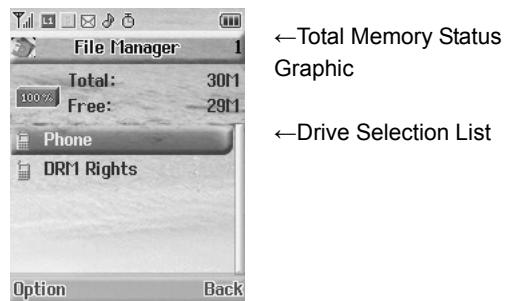
- Play: Play the selected file.

- Edit: Edit the composed music.
- Add: Compose a new music file.
- Rename: Rename the selected file.
- Delete: Delete the selected file.
- Delete All Files: Delete all files in the list.
- Forward: Forward the composed file to the following usages.
 - To User Profile: allows you to use the sound file as a Ring Tone.
 - To MMS: allows you to write an MMS message with the selected sound file.
 - To EMS: allows you to write an SMS message with the selected sound file.

5.6 File Manager

This menu allows you to see the total memory used and free space in the storage.

5.6.1 Drive

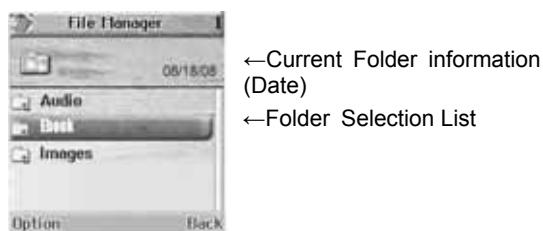


There are options as following

- Open: Open the drive to see the folder or files in the drive.
- New Folder: Create a folder in the drive.
- Format: Format the drive.

! Note: All of data in the drive will not be recovered after you format the drive.

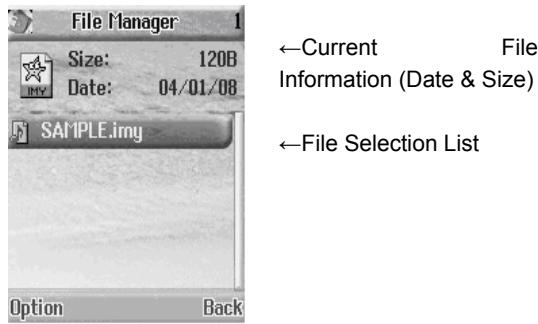
5.6.2 Folder



There are options as following

- Open: Open the folder to see the files in the folder.
- New Folder: Create a sub-folder in the folder.
- Rename: Rename the selected file.
- Delete: Delete the folder.
- Sort by: There are five sorting ways as follows.
 - By Name
 - By Type
 - By Time
 - By Size
 - None

5.6.3 File



There are options as following:

- Play or View: Play a sound file or view an image or photo file.
- Forward

Sound File	Image or Photo File
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<ul style="list-style-type: none"> ■ To User Profile: allows you to use the sound file as a Ring Tone=> In case of Sound File ■ To MMS: allows you to write an MMS message with the file. ■ To EMS: You can write an EMS with the file. 	<ul style="list-style-type: none"> ■ To MMS: allows you to write an MMS message with the file.
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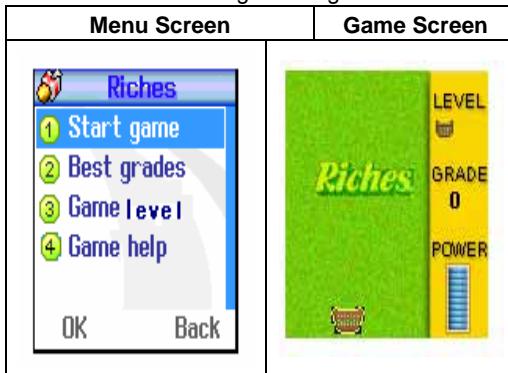
- Detail : See the detail information (Data & Size).
- Rename: Rename the selected file.
- Copy: Copy the file to the other folder.
- Move: Move the file to the other folder.
- Delete: Delete the selected file.
- Delete All Files: Delete all files in the list.
- Sort by: There are five sorting ways as follows.
 - By Name
 - By Type
 - By Time
 - By Size
 - None

6. Fun & Games

This phone has 2 games for your enjoyment.

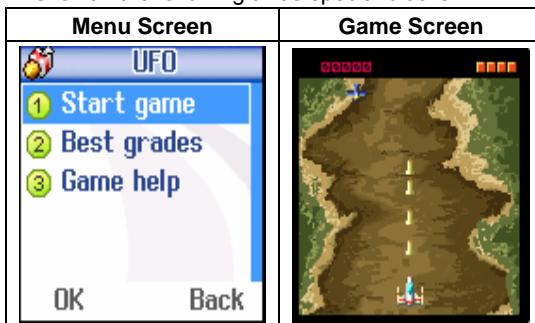
6.1 Riches

There are scattered images at the beginning of the game.
You have to make them the original image.



6.2 UFO

Control the robot not to touch the thron (and thron-stair) or fall down. Click on the following three special blocks:



6.3 Game Setting

You can select the game setting. This will be applied to the game plays.

Press [Left] or [Right] navigation key to select the setting and press [Left Soft Key] "OK" to save the setting.

- BGM (On/Off): Set BGM as "On" or "Off".
- Sound effect (On/Off): allows you to set the audio sound on or off while you are playing a game.
- Game Vibration (On/Off): allows you to set the vibration on or off while you are playing a game.

7. User Profiles

You can use the sound setting features to customize various settings depending on environments.

- General
- Meeting
- Outdoor
- Indoor
- Headset

! Note: Headset mode has no 'activate' menu because the activation of Headset mode is automatically on when you plug the headset to your phone in.

Select each environment and select "Activate" to activate the setting or elect "Customize" to customize the sound and light settings on each environment.

This menu customizes the tones in the following setups:

- Tone Setup
 - Incoming Call

This option allows you to select the required ring tone. You can set the ring tone from sound files downloaded from WAP download and MMS. You can also forward files from Phone Memory to this sound setting. Each time you select a tone, the phone will play it for a few seconds.

■ Power On

You can select power-on sound from 10 tones or silent.

The phone will play the power-on tone, when you power on the phone by pressing the End/Power key.

■ Power Off

You can select power-off sound from 10 tones or silent. The phone will play the Power-Off tone, when you turn off the phone by pressing the End/Power key.

■ Message Tone

You can select message sound from 10 tones or silent. The phone will play the Message Tone you selected, when you receive a message.

■ Keypad Tone

You can change keypad tone effect in this menu; include Silent, Click and Tone.

● Volume

You can set different volume levels for the Ring Tone and Key Tone.

● Alert Type

This option allows you to customize the alert type. This setup will control the alerts your phone might play. You can

customize the alert types as following.

- Ring: The phone rings the ring tone selected with the [Tone Setup] option.
- Vibration Only: The phone vibrates without ringing.
- Vibra and Ring: The phone vibrates and rings simultaneously.
- Vibra then Ring: The phone vibrates first then rings
- Light Only: The phone lights indicator LED only.
- Ring Type
 - You can set the ring type for playing the ring tones.
 - Single: To play the ring tone once.
 - Repeat: To play the ring tone repeatedly.
 - Ascending: To play the ring tone with ascending volume.
- Extra Tone
 - You can turn on or off the tone of following alerts.
 - Warning
 - Error
 - Camp On
 - Connect
- Answer Mode
 - You can select the way when you answers an incoming call.
 - Any Key: To answer a call, you have to click any key of your phone.

8. Organizer

You can use the Tools menu as your alarm, calendar, to do list, world clock, calculator, unit converter, and currency

converter.

8.1 Calendar



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

First, choose the date you want to view by moving the navigation keys. Move to the previous or the next month by pressing the side volume keys located on the right side of the phone, and then press [Left Soft Key] to enter Option.

There are **Four** Options as following:

8.1.1 View Tasks

It allows you to view the task list and add task(s) on the selected date.

From the Task List, there are five Options available:

- View: You can view the details of the selected task.
- Add: You can add a task.
- Edit Task: You can edit the selected task.
- Delete Task: You can delete the selected task.
- Delete All: You can delete all tasks listed on the

selected date.

8.1.2 Add Task

You can add a task.

8.1.3 Jump to Date

You can jump to the date you input in the date box (YYYY / MM / DD).

8.1.4 Go to Weekly View

Present the date with weekly view. You can move the navigation keys to see the previous or the next week.

8.2 To Do

You can view all saved tasks. It displays a task or tasks saved in the Organizer. You can select the type of task, for example "Reminder", "Meeting", "Course", "Date", "Call" and "Anniversary". Task List shows the notes of the tasks from the oldest task to the latest task.

- View: To view the details of the selected task.
- Add: To add a task.
- Edit Task: To edit the selected task.
- Delete Task: To delete the selected task.
- Delete All: To delete all tasks listed on the selected date.
- Send vCalendar: To send by SMS, MMS or Save to file.

8.3 Alarm

This menu allows you to set the alarm to ring at a specified time. You can save up to 5 alarms.

The following Edit Alarm options are available.

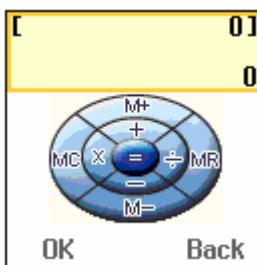
- Alarm: To turn on or turn off the alarm.

- Time (HH:MM): To input the hour in 24 hour scale and minute.
- Repeat [Once / Everyday / Days (S, M, T, W, T, F, S)]: To select the repeat characteristics of the task.
- Audio Options: You can set alarm as "Tone" or "FM Radio". If you choose "Tone", you can set an alarm tone among Ring 1~10 or Midi 1~15 or others.
- Snooze: You can set the snooze time between 1~10 minutes or Default.
- Alert Type: To select "Vibra and ring" , "Ring" or "Vibration Only".

After you completed editing the options, press [Right Soft Key] "Done" to save the changes.

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 1~10 minutes (snooze time depend on your setting).

8.4 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.

To perform a calculation:

- Enter the first number using the numeric keys.
- Press [Up] navigation key once to use [+] (add), and twice to use [M+] (add to the previous result).
- Press [Down] navigation key to use [-] (subtract), and twice to use [M-] (subtract to the previous result).
- Press [Left] navigation key once to use [×] (multiply), and twice to use [MC] (erase the previous result).
- Press [Right] navigation key once to use [÷] (divide), and twice to use [MR] (memory read).
- Press [#] key to enter a [.] (Decimal point).
- Enter the next number.

Repeat Steps 2 to 3 as many times as required.

To calculate the result, enter the [Ok] soft key.

When you have finished, press the [Back] soft key (right) or the End key to exit.

8.5 Currency Converter



You can convert currency if you know the exchange rate.

To convert currency:

- Input a currency rate.
- Press the [Ok] soft key (left).
- Press the left or right navigation keys to choose how you want the currency to be calculated. (xxx:1 or 1: xxx)
- Press down the navigation key and input the local currency value.
- Press the [Ok] soft key (left) to get the result.

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 the 4) and 5). If you want to convert with other currency rate, press the [Back] soft key.

8.6 World Clock



This feature allows you to check the current time for Greenwich Mean Time (GMT) and major cities around the world, using the right and left navigation keys.

The screen shows the;

- City name
- Current date and time

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.

8.7 E-Book Reader

This menu allows you read E-Book on your mobile phone. E-Book can support Txt files with the format of "UTF8" or "ASCII Western Windows" or "UCS2(Unicode)".

9. Services

This menu allows you to access WAP service and Data Account set-up.

! Note: If you use a SIM card that provides additional services,

the GSM Access menu displays. For details, please see your SIM card instructions.

9.1 WAP

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

9.1.1 Homepage

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

9.1.2 Bookmarks

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

There are 6 options as following.

- Goto: Connect to the bookmarked WAP page.
- Edit: Edit the name and URL of the selected entry.
- Send: Send the selected entry via SMS, MMS.
- Delete: Delete the selected entry.
- Delete All: Delete all bookmark data.
- Add Bookmark: Edit the name and URL to add a new entry.

9.1.3 Recent Pages

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

9.1.4 Offline Pages

When you choose [Offline Pages] menu, WAP browser opens the WAP page you have been saved in

phone.

9.1.5 Enter Address

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

9.1.6 Service inbox

You can read the messages in the service inbox, e.g. Push SMS.

9.1.7 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.

! Note: The available number of profiles are varies on your country).

There are 6 options as following.

- Edit Profile: It shows the name of selected profile and you can edit the profile(s).
- Browser Options: You can set Time-out or Show Images.
- Service Message Settings: Your phone receives WAP service messages from operator and saves them in the Message Inbox.
- Clear Cache: You can clear the lastest site files that you have downloaded in the temporary memory.
- Clear Cookies: You can delete cookies in the memory.
- Trusted Certificates: You can view the details of Certificates.

9.2 Data Account

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

9.2.1 GSM Data

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

- Account Name: Edit the account name.
- Number: Enter the server phone number.
- User Name: Enter the user name required to connect to GSM Data network.
- Password: Enter the password required to connect to GSM Data network.
- Line Type: Choose a network connection type between Analogue and ISDN.
- Speed: Select the desired speed from 9.6 Kbps, 14.4 Kbps and 4.8Kbps.
- DNS : Enter the DNS IP address

9.2.2 GPRS

This setting allows you to change the settings for the GPRS Data 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.

B. Trouble Shooting

If you meet a trouble on your phone operation, please check the followings.

These checks enable you to save the time and expense due to the unnecessary after-service.

1. When “Enter PIN” appears at the power-on.

The PIN check is currently enabled.

You must enter the PIN supplied together with your SIM card.

You can disable the PIN check if you want, please see Security Setting menu.

2. When “Insert SIM” screen appears at the power-on.

Please check that your SIM card is inserted adequately.

3. When “Enter Lock Code” appears at the power-on.

Your phone is phone locked.

You must enter the Lock Code supplied together with your phone.

4. No Service appears.

You probably are in the area out of the coverage of a GSM/DCS network.

5. If any tone is not generated when you press a keypad.

You need to check the Silence Mode setting.

You need to check the Type and Volume option of Key Tone menu.

You need to check Profiles menu.

6. If an audible alert is not made when a call is received.

You need to check the Silence Mode setting.

You need to check the Type and Volume option of Incoming Call Alert Tone menu.

You need to check User Profiles menu.

7. If an audible alert is not made when an alarm is expired.

You need to check the Silence Mode setting.

8. If an outgoing call is not made.

You have probably set an outgoing calls barring option. You need to check Call Barring menu.

9. If an incoming call is not made.

You have probably set an incoming calls barring option. You need to check Call Barring menu.

10. If an outgoing SMS message is not sent.

You need to check the Message Center option in Message Setup menu.

11. If all audible key tones are muted and all audible alerts

are changed to vibrator alert.

You need to check the Silence Mode setting.

By long pressing [#] on the idle screen to change between "General" and "Silent", you can escape or enter the mode.

C. Safety Information

For the efficient and safe operation of your phone, observe these manual-lines.

1. Everyday Use of Your Phone

For normal operating position, hold your phone as you would any other telephone, with the antenna pointed up and over your shoulder.

Do not touch the antenna unnecessarily when your phone is in use, as this will affect call quality and may cause the phone to operate at a higher power level than otherwise needed.

As with any other radio transmitting equipment, you are advised that for the satisfactory operation of your phone and for your own safety, you should use your phone only in the normal operating position.

2. Using Your Phone in a Vehicle

Safety comes first, and is the ultimate responsibility of the driver. Please:

Give full attention to driving – driving safely is your first responsibility.

Use Hands-free Kit, if available.

If you have those kits make sure it is done pre-programmed numbers where possible, and keeping calls brief and to a minimum.

If you don't have a Hands-free Kit, pull off the road and park your vehicle before making or answering a call in driving conditions so require.

3. Non-ionizing Radiation (exposure to Radio Frequency Signals)

Your phone is a low power radio transmitter and receiver. When it is on, it receives and also sends the radio frequency (RF) signals. Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your mobile phone. RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Consult your vehicle manufacturer and the manufacturer of any equipment that has been added to the vehicle.

4. Pacemakers

The Health industry Manufacturers Association recommends that a minimum separation of six inches be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. Users with pacemakers:

Always keep your phone at least 20 cm (6inches) from your pacemakers when the phone is switched on.
Do not carry your phone in your breast pocket.

Use the ear opposite the pacemakers to minimize the potential for interference.

Switch off your phone immediately if you suspect that interference is being caused.

5. Hearing Aids

Some mobile phones, including your mobile phone, may interfere with certain hearing aids. In the event of such interference you may consult the hearing manufacturer to discuss alternatives.

6. Other Medical Devices

If you use any other medical devices, please consult a physician or the manufacturer of the medical devices to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Always check the regulations of the healthcare facilities, which generally request that all mobiles are switched off on entry.

7. Operating Environment

Remember to follow any special regulations in force in any area, and always turn off your phone wherever it is forbidden to use it, or when it may cause interference or danger.

8. Aircraft Safety

FCC regulations prohibit using your phone while in the air. Switch off your phone before boarding an aircraft.

9. Explosive Atmospheres and Materials

Turn your phone off and do not remove the battery when in any area with a potential explosive atmosphere and obey all signs and instructions. You must observe restrictions on the use of radio equipment in fuel depots; below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; areas with signs about explosive atmospheres or where blasting operations are in progress; any other areas where you would normally be advised to turn off your vehicle engines.

10. For Vehicle Equipped with an Air Bag

An air bag inflates with great force. Do not place objects, including both installed and portable wireless equipment, in the area over the air bag or in the air bag development area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

11. Battery Charging

Do not charge the phone without the battery in place.

Federal Communications Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines."