



W elcome!!

Thank you for choosing N541 mobile phone! Please read this manual carefully before you use your mobile phone.

For efficient use of your mobile phone,  
we recommend you to read the Safety and General  
Information chapter in advance.

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## Safety and General Information

Please read these simple guidelines and safety instructions carefully before using the phone.

### **[Driving]**

Please do not use a phone while driving. If you want to use your phone, please use a hands-free kit or please park the car first.

### **[Hospital]**

Please turn off the phone when you are in hospital. Mobile phones can cause possible interference to medical devices such as hearing aids or pacemaker.

### **[Aircraft]**

Please turn off the phone when you are in an aircraft. It is prohibited to use phone in the aircraft.

### **[Blasting Area]**

Please turn off the phone when you are near a blasting area.

### **[Battery and accessory]**

Use only approved battery and accessories.

### **[When refueling]**

Do not use the phone at a refuelling point(service station) or near fuel or chemicals.

### **[Disassembly]**

Do not disassemble your phone. Only certified service center can disassemble and repair your phone.

## Safety and General Information

### **[Disassembly]**

Do not disassemble your phone or any of its accessories. Only certified service center can disassemble and repair your phone.

### **[Children]**

Keep the all accessories or batteries out of the reach from babies or pets. If eaten , please see the doctor. If children uses, please tell a children the handling and how to use the phone and please check the way of using correctly. The breakdown is caused by shock or wrong way, also may give damage to user.

### **[Battery]**

Do not shock to battery extremely. It is very dangerous to disassemble a battery or to give a strong shock to the battery with the nail or the hammer.

Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Package Contents

About Your Phone

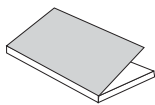
Package contents



Transceiver



Battery

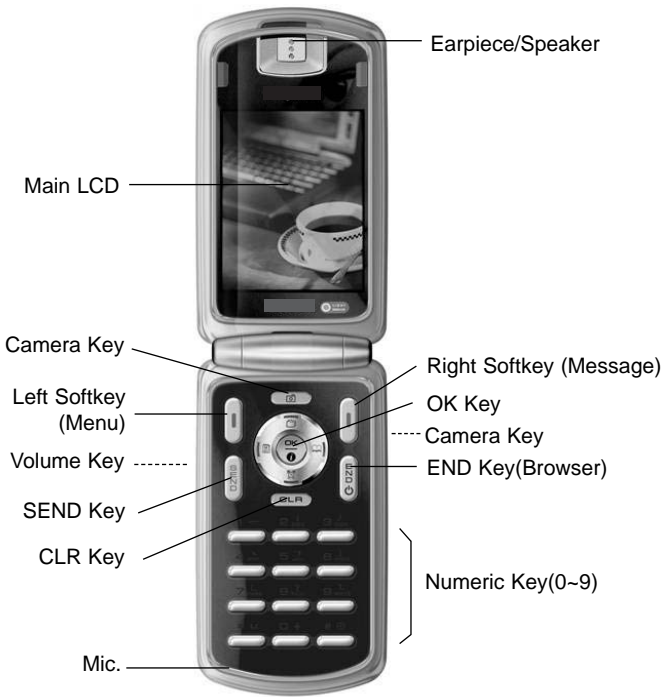


User Manual



















Charger

Phone overview






















Key definition

	<b>[Send Key]</b> Make a call
	<b>[End Key]</b> End a call. Switches On/Off the phone when pressing for a while
	<b>[Camera Key(Top)]</b> <b>In Idle mode:</b> Enter the camera preview mode <b>In Preview mode:</b> Function as a shutter
	<b>[Camera Key(Side)]</b> <b>In Idle mode:</b> Press and hold to access preview mode when the flip is closed <b>In Preview mode:</b> Function as a shutter
	<b>[CLR Key]</b> <b>In Menu mode:</b> Return to previous menu <b>In Edit mode:</b> Delete characters or numbers
	<b>[Softkey(Left)]</b> <b>In Menu mode:</b> Perform various functions according to the viewing menu <b>In Idle mode:</b> Connect to Menu.
	<b>[Softkey(Right)]</b> <b>In Menu mode:</b> Perform various functions according to the viewing menu <b>In Idle mode:</b> Connect to Message (SMS,MMS)
	<b>[Sidekey]</b> <b>During a call:</b> Adjust earpiece volume <b>In Menu mode:</b> Scroll through the menu <b>In Idle mode:</b> Adjust keytone volume

	<b>[Center Key]</b> <b>In Menu mode:</b> Select Menu <b>In Idle mode:</b> Connect to WAP directly
	<b>[Navigation-icon key(up)]</b> <b>In Menu mode:</b> Scroll the menu up <b>In Idle mode:</b> Access to Data Folder directly
	<b>[Navigation-icon key(Down)]</b> <b>In Menu mode:</b> Scroll down the menu <b>In Idle mode:</b> Access to Alarm directly
	<b>[Navigation-icon key(Left)]</b> <b>Edit mode:</b> Move the cursor left <b>Idle mode:</b> Access to Calendar directly
	<b>[Navigation-icon key(Right)]</b> <b>Edit mode:</b> Move the cursor right <b>Idle mode:</b> Access to Phone Book directly
	<b>[Numeric key]</b> Input 0~9 number in idle mode
	<b>[ * ]</b> Enter pause 'P' when pressing and holding for a while
	<b>[ # ]</b> Set Phone mode on/off (Press and hold)

## Status icon

	<b>[Signal Strength Indicator]</b> Display the strength of signal received by the phone
	<b>[In Use]</b> Appear when a call is progressing
	<b>[No Use]</b> Appear when the network signal is not received
	<b>[Bell]</b> Appears in sub-LCD when bell is selected.
	<b>[Call Forward]</b> Appear when a call is forwarded
	<b>[Vibrator]</b> Appear when vibration function is selected
	<b>[Vibrator then bell]</b> Appear when vibration followed with bell is selected
	<b>[Meeting mode]</b> Appear when the meeting mode is selected
	<b>[Street mode]</b> Appear when the street mode is selected
	<b>[Concert mode]</b> Appear when the concert mode is selected

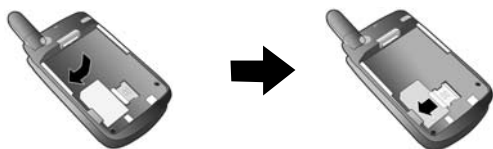
	<b>[Car mode]</b> Appear when the car mode is selected
	<b>[Message]</b> Appear when text message is received
	<b>[Voice Message]</b> Appear when voice message is received
	<b>[MMS Message]</b> Appears when MMS message is received
	<b>[Alarm]</b> Appear when alarm is set to on
	<b>[Roam]</b> Appear when phone is outside of user's home system
	<b>[Data/WAP]</b> Appear when phone is connected to WAP or Data
	<b>[GPRS]</b> Appear when GPRS is enabled
	<b>[Battery]</b> meter Indicate battery charged level

**Installing and Removing battery**

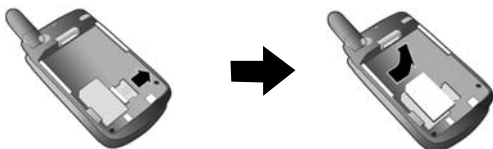
SIM (Subscriber Identity Module) is a i°Smart Cardj± that holds user phone number, service details, and memory for Phone Book numbers and messages. You can use your SIM in any GSM phone and will be charged for the calls.

**1. Installing SIM card**

1. Power off the phone first.
2. Pull out the battery.
3. Insert the SIM card.
4. Slide the latch over the SIM card to lock it in place.

**2. Removing SIM card**

1. Slide the latch to the right.
2. Remove your SIM card from the phone.

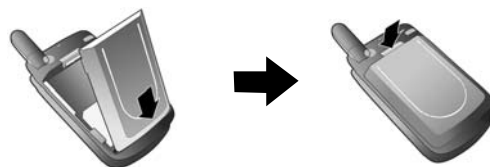


\* Protect your SIM card from scratches, water, dirt and static electricity.

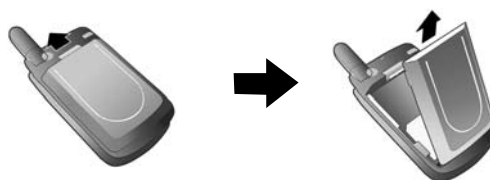
\* Do not bend or scratch your SIM card.

**Installing and Removing battery****1. Installing the battery**

Insert the battery into the battery compartment at a slant angle and press the top of the battery until the battery locks in the place.

**2. Removing the battery**

Slide up the battery latch and then pull out the battery from the phone.





**Power on/off****1. Power on**

Press [END] key for a while.

- ⓘ If PIN is activated, please enter 'PIN code'.  
 If 'Lock' is activated, please enter password.  
 Initial password is set to '0000'  
 If security of SIM card is enabled, the phone requests the PIN code every time when the phone is turned on.

**2. Power off**

Press and hold [END].

**ⓘ Making an emergency call**

Your phone supports the international emergency number. This means that these numbers can normally be used to make an emergency call in any country with or without a SIM card inserted. if a GSM network is within range.

(Some network operators may require that a SIM card is inserted, and in some cases that the PIN has been entered as well )

To make an emergency call, proceed as follows.

- (1) If the phone is not on, switch it on.
- (2) Press [SOS] or dial emergency number when in distress.

**About PIN/PUK****1. PIN (Personal Identification Number)**

It is a personal code (4 to 8 digits) provided by your network operator in order to prevent other people from using your SIM card.

It is usually supplied with the SIM card. The PIN is usually requested each time when the phone is switched on.

If you enter an incorrect PIN three times consecutively, the SIM card is blocked and cannot be used until you unblock it by entering the PUK.

**2. PIN2**

It is a code composed of 4 to 8 digits and is supplied with some SIM cards to access specific function such as setting the charge detail display and access other additional functions. If you enter an incorrect PIN2 three times consecutively, the SIM card is blocked and you cannot access the functions until you unblock it by entering the PUK2.

**3. PUK (PIN Unlocking Key)**

It is composed of 8 digits and used to unblock a SIM card. The PUK may be supplied with the SIM card.

If you forget the code, please contact your service provider.

If you enter an incorrect PUK ten times consecutively, the SIM card becomes invalid.

Please contact your service provider for a new card.

**4. PUK2**

It is composed of 8 digits and is supplied with some SIM cards to unlock PIN2.

If you forget the code, please contact your service provider. If you enter an incorrect PUK2 ten times consecutively, you will not be able to access the additional functions provided by PIN2. Please contact your service provider for a new card.

**5. Change PIN or PIN2 code**

You can change the PIN or PIN2 code to any 4 to 8 digits number.

**6. Set PIN Check**

This feature asks for the PIN code whenever the phone is powered on.

Note: If you enter the wrong PIN code three times consecutively, the SIM card is automatically blocked.

**7. PUK/PUK2 Code**

The PUK and PUK2 codes are 8-digit codes that usually provided by your service provider along with the SIM card. Their purpose is to unlock SIM cards after wrong PIN has been entered repeatedly.

**Making a call****1. Using Digit Keys**

Enter the phone number in Idle mode, then press [SEND].

**2. Using Turbo Dial**

Press and hold a location number in Idle mode to connect a call to the corresponding number of the appropriate location.

If the location number is '2', press and hold [2].

If the location number is '21', press [2] and press and hold [1].

⚠ It is possible to use Turbo dial numbers stored in your SIM card. You can switch Turbo dial settings between Phone entry and SIM entry.

Please see details for Turbo set in phone book.

**3. Using Phone Book entry**

Search for a number in the phone book, then press [SEND] to make a call.

⚠ Use Redialing: If the connection of the call fails, your Phone will redial the number automatically.

Press [END] to abandon Auto-calling attempt.

(if Redial is set to 'On')

In Idle mode, press [SEND] to review the Call list.

**Receiving a call**

When you receive a call, the phone rings or vibrates and displays an incoming call notice.

Flip open to receive the call. (if [Folder open] is selected)

When the flip is opened and the phone rings, press any key to answer. (if [Anykey press] is selected)

\*Except [END] key

∅ You cannot receive calls when PIN is locked.

**Missed a call**

If you are unable to answer a call, the number of missed call is displayed.

1. Time and number (if CLI is supported) is displayed.
2. The latest call information appears on the display.

**In call menu**

You can access different menus during a call. Press [Menu] (left softkey) during a call to connect some of the In-call menu. Menu selection depends on the state of the call, the type and setting of your SIM card and subscription to these services.

**I. Phone book**

This option displays the Phonebook menu.

1. Press [Menu], then move to "Phone Book".
2. Press [OK].
3. Scroll to the desired item and press [OK]. All the phone book functions are displayed.  
(see "Phone Book" on Main Menu)

**II. Message**

This option displays the Message menu.

1. Press [Menu], then move to "Message".
2. Press [OK].
3. Select the desired item and press [OK].

**III. Mute On/Off**

You can mute any active call. Muting means that you can hear the other person's voice but he/she cannot hear your voice.

During a call, press [Menu], then scroll to 'Mute on'.

Press [OK]. 'Mute' icon appears on screen.

To unmute the call, press 'Mute Off' and press [OK].

'Mute' icon disappears.

**IV. Hold**

You can put a current call on hold and accept an incoming call, or start a second call.

1. During a call, press [ANS].
2. Select "Hold & Ans", then press [OK] .

To return to the first call, press "Switch".

ⓘ During a call, press [right soft key], then popup menu appears. It shows "End on call / End held call / End all " options.

You can select the following items:

- └ End on call : End a call you put on hold.
- └ End held call : End the current active call.
- └ End all : End all connected calls.

If supported by service provider, more people can take part in a call.

1. When there is an incoming call, press [SEND] to enter into Answer mode.(select "Reject" to reject the incoming call)
2. Press [Menu], it has 'Drop & Answer / Hold & Answer/ Reject' menus.  
Select 'Hold & Answer', the screen will display both 'In call' and 'Held call'.
3. Press [Menu], then Select "Join".
4. The phone displays active call indicator with the new active call.

**V. Hold & Switch**

Switches between the active call and the held call.

1. When there is an incoming call, press [SEND] to enter into Answer mode.

(If you selects 'Reject', the call will be rejected and the phone will return to Idle mode.)

2. Press [Menu] to display 'Drop & Answer / Hold & Answer / Reject' menus.  
Select 'Hold & Answer', then the screen displays both 'Active call' and 'Held call'.
3. Press "Switch" to switch between the active call and the held call..

**ⓘ Reject Waiting Call**

You can reject an incoming call by pressing "Reject".

- During a call, press "Reject" to display the pop-up menu.
- Move to the desired item and press [OK].

**VI. Split**

Allow you to talk privately with one of the persons in a conference call.

1. During a conference call, select "Menu".
2. Press "Navigation key" to move to the desired call, then press [OK].

ⓘ To end a connected or held call etc.. press right softkey to select 'End a call' option.

For ending a call, press [Menu] to select the desired item, then press [OK].

ⓘ It has "End on call / End held call / End all call' options.

## Basic Function

### Sub LCD

When there is a new message or an incoming call, you can see caller number on sub LCD.

When the flip is closed, press the side key to turn the sub lcd light on.

After backlight is turned on, press upper or lower volume key to toggle different clock types.

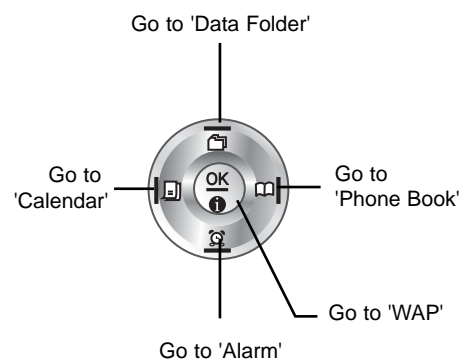


- \* Press and hold camera button to enable camera preview through Sub LCD.  
Press camera button again, then picture is taken.

## Basic Function

### Quick access in Idle mode

In Idle mode, you can access designated menu by pressing designated navigation key.



Storing a number

You can store phone numbers in your phone or SIM card.  
It is possible to store up to 300 phone number entries in your phone book.

\* The total number of entries in your SIM card are dependent on your SIM card capability.

- 1. Enter a number in idle mode
- 2. Select [Save]
- 3. Select [SIM] or [Phone]
- 4. Press [Save]
- 5. Enter content and then press [Save]

Also, you can store phone numbers through the 'New entry' of "Phone book" or "Call logs" .

Selecting main menu item

Press 'Main'  
You may select the following 9 menus with navigation keys:

1. Phone book	4. Setting	7. Entertainment
2. Call logs	5. Data folder	8. Utilities
3. Camera	6. Scheduler	9. STK

You may also select the desired menu by pressing the corresponding number of the desired menu.

Once you select the menu, then press [OK] key.

## Phone Book

### Phone book

You can store phone numbers and names in the memory of your SIM card or your phone.

You can store up to 300 numbers in your phone.

SIM card memory size depends on your SIM card capability.

#### I. Access to Phone book

1. By scrolling
  - (1) Press [Main].
  - (2) Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. (Or press digit 1 )
2. By shortcut
 

Press the [Right side navigation key] in idle mode.

#### II. Storing Number

1. Through the Phone book menu
  - (1) Press [Main].
  - (2) Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. [or press digit 1]
  - (3) Enter the [1.Phone book] using upper/lower navigation key, then press [OK]. [or press digit 1]
  - (4) Press [Menu]. then select [1.New Entry] .
  - (5) Please select your storage memory, either SIM or Phone
  - (6) Enter contents and then press [Save].

2. Through the idle mode
  - (1) Enter a number in idle mode.
  - (2) Press [Save].
  - (3) Select an icon.
  - (4) Enter contents and then press [Save].

### Phone book Edit Details

- 1.Name: Enter the name
2. Location: Enter the location
3. Avatar / Picture: Change Avatar or Picture
4. Number(Home/Cellular/Office/Other):  
Enter the contact numbers
5. E-mail: Enter e-mail address
6. Group: Select the group type
7. Bell: Select the desired ring tone when there is an incoming call

\*For reference..

In case of phone stored over 250 phone numbers, your phone requires a little time during loading information of phone memory

8. Indicator: Select the incoming call light
9. Anniversary: Enter the anniversary date  
(e.g. birthday, wedding anniversary. etc.)

**ⓘ About Phone book ' Menu'**

(The 'left soft key' menu includes the following options)

1. New entry: Add new entry
2. Send a MSG : Move to "New Message" part
3. Send a MMS: Move to "MMS Message" part
4. Copy to SIM (or Phone): Allow you to copy the selected item to another location. (SIM card or Phone)
5. Delete: Delete the selected item
6. Delete all: Delete all entry which is displayed in the selected group
7. Find by name: Allow you to the entry or the item by name
8. Find by number: Allow you to the entry or the item by number

**Group edit**

You can arrange names and phone numbers saved in the phone book into groups.

For each group, you can set the specific ring tone when receiving a call. Basically, 7 groups are provided. 4 groups of them (General, Family, Work, Friend) have fixed group names while the group names of the other 3 groups can be changed.

1. Press [Main].
2. Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. (or press digit 1 )
3. Scroll to [2.Group edit] using upper/lower navigation key, then press [OK]. (or press digit 2 )
4. Select the desired group and press [Edit].
  - (1) If 'Rename' select : It will be able to change the name of group.(It is not indicated in case of General, Family, Friend and Work)

- (2) If 'Group bell' select : It will be able to change the ring tone of the group.

**Turbo set**

Once you have stored phone numbers in the SIM card or Phonebook, you can easily dial them without having to remember the numbers. You can set your SIM or Phone as the default location for using turbo dial.

1. Press [Main].
2. Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. (or press digit 1 )
3. Scroll to [3.Turbo Set] using upper/lower navigation key, then press [OK]. (or press digit 3 )
4. Select [SIM] or [Phone]
  - (1)For memory location 001~009 :  
Press and hold the last digit.
  - (2)For memory location 010~300 :  
Press the first and/or second digit(s) and hold down the last digit.

**Memory status**

You can check the status of SIM card and phone book memory. If memory full appears, you cannot save any more numbers until you have deleted an item.

1. Press [Main].
2. Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. (or press digit 1 )
3. Scroll to [4.Memory status] using upper/lower navigation key, then press [OK]. (or press digit 4 )



**My number**

Phone numbers saved in your SIM card are kept in My Number if it is allowed by your SIM card. Scroll to the desired name or number, and press [OK].

1. Press [Main].
2. Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. [or press digit 1 ]
3. Scroll to [5. My number] using upper/lower navigation key, then press [OK]. [or press digit 5 ]

**My profile**

You can enter your personal information in My profile.

1. Press [Main].
2. Scroll to [1.Phone book] using upper/lower navigation key, then press [OK]. (or press digit 1 )
3. Scroll to [6. My profile] using upper/lower navigation key, then press [OK]. (or press digit 6 )

**\* My Profile Details**

1. Name : Enter name
2. Picture / Avatar : Change picture or avatar
3. Job title : Enter job title
4. Address : Enter address
5. Home : Enter home number
6. Cellular : Enter cellular phone number
7. Office : Enter office phone number
8. Other : Enter other number
9. E-mail : Enter e-mail address
10. Birthday : Enter birthday

## Call logs

You can check the record of missed, answered and dialed calls only if the network supports CLI(Calling Line Identification) within the service area. In the Idle mode, you can access the this menu by pressing [SEND]key then call list will appears.

**Dialed calls**

This menu lets you view the last 30 dialed call numbers. In the idle mode, press [SEND]key then dialed call list will appears. Time and date when the call was answered are displayed with the name and number.

1. Press [Main].
2. Scroll to [2.Call logs] using upper/lower navigation key, then press [OK]. [or press digit 2 ]
3. Scroll to [1.Dialed call] using upper/lower navigation key, then press [OK]. [or press digit 1 ]

**Answered calls**

This menu lets you view the last 30 answered call numbers. Time and date when the call was answered are displayed with the name and number.

1. Press [Main].
2. Scroll to [2.Call logs] using upper/lower navigation key, then press [OK]. (or press digit 2 )
3. Scroll to [2.Answered call] using upper/lower navigation key, then press [OK]. (or press digit 2 )

**Missed calls**

This menu lets you view the last 30 missed call numbers. Time and date when the call was answered are displayed with the name and number.

1. Press [Main].
2. Scroll to [2.Call logs] using upper/lower navigation key, then press [OK]. (or press digit 2 )
3. Scroll to [3.Missed call] using upper/lower navigation key, then press [OK]. (or press digit 3 )

ⓘ You may also choose the following options when 'Menu' (Left softkey) is pressed in the call logs menu.

1. Save: It stores the selected number.
2. Delete: It deletes the selected item after confirmation.
3. Delete All: It deletes the entire Dialed call list after confirmation.

**Call time**

It displays the total call time starting from using the phone and the last call time.

1. Press [Main].
2. Scroll to [2.Call logs] using upper/lower navigation key, then press [OK]. (or press digit 2 )
3. Scroll to [4. Call time] using upper/lower navigation key, then press [OK]. (or press digit 4 )

- Total call time : It shows the cumulative call time.
- Last call time : It shows the duration of last incoming call or outgoing call in hours, minutes and seconds.

\* Pressing "Reset" will reset all the call timers.

## Camera

You can take pictures and send them to other people via MMS or e-mail attachment.

You can also use a picture as background image, or save it together with a contact in phone book so that the picture appears when that person calls. Pictures can be saved in JPEG format.

### Access to preview mode

#### 1. By scrolling

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (Or press digit 3 )
3. Scroll to [1.Shooting] using upper/lower navigation key, then press [OK]. (Or press digit 1 )
4. Scroll to [1.Photo shot] using upper/lower navigation key, then press [OK]. (Or press digit 1 )

#### 2. By shortcut

1. Press [3.Camera] key in idle mode when the flip is opened.
2. Press and hold [External Camera] key when the flip closed.

⌘ Press and hold camera button to enable camera preview through Sub LCD.  
Press camera button again, then picture is taken.

### Shooting

In this menu, you can take pictures and record a video clip.

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (or press digit 3 )
3. Scroll to [1.Shooting] using upper/lower navigation key, then press [OK]. (or press digit 1 )
4. Scroll to desire item, then press [OK].

#### 1. Photo Shot

This feature enables you to take a picture and save it.

#### ⌘ About 'Menu'

When the camera is activated, press [Menu] for the following options.

1. Set Flash : You can set the flash status.
  - ┌ On : Turn on the flash.
  - └ Off : Turn off the flash.
  - └ Auto : The flash is set on or off according to light sensor. Even though when the flip is closed, camera flash can still operate.

#### ⌘ Light sensor :

You can specify the time for which the backlight is to be used. This feature helps to reduce the battery power consumption.

## Main Menu

2. Self timer : When you take a self-portrait, it automatically takes a photo after specified time.  
Camera operates automatically.  
"5 sec / 7 sec / 9 sec / 12 sec / 15sec"
3. Mode: Change the mode.  
"Auto / Sunny / Cloudy / Fluorescent / Tungsten"
4. Size: Select the image resolution.  
"Resolution: 64x96, 160x120, 176x144, 320x240, 640x480"
5. Quality: Select image quality.  
"High / Mid / Low"

### ⚠ Taking a photo using Sub LCD

1. During preview mode, press [Sub] then sub LCD will be in active mode.(The main LCD light will go out.)  
Press [External Camera] key to take a picture.
2. When the flip is closed, press and hold [External Camera], then sub LCD operates.  
Press [External Camera] to take a picture.  
Press [External Camera] again to save a picture.

## 2. Serial Shot

This feature enables you to take serial shots.

### ⚠ About 'Menu'

When the camera is activated, press [Menu] for the following options

- 1.Serial Count: Select the number of serial shot.  
"3 times / 5 times / 7 times / 9 times" Camera operates automatically.

## Main Menu

- 2.Self Timer: When you take a self-portrait, it automatically takes a photo after specified time. Camera operates automatically. "5 sec / 7 sec / 9 sec / 12 sec / 15 sec"
3. Mode : Change the mode.  
"Auto / Sunny / Cloudy / Fluorescent / Tungsten"
4. Size: Select the image resolution.  
"Resolution : 64x96, 160x120, 176x144, 320x240, 640x480"
5. Quality : Select the image quality. "High / Mid / Low"

⚠ Frame function is not supported during serial shot

## 3. Video Shot

You can store moving picture up to 10 seconds.  
Default record resolution is preset to "160x120".

### ⚠ About 'Menu'

When the camera is activated, press [Menu] for the following options

1. Self Timer : When you take a self-portrait, you can select the shooting time and the camera will operate automatically.  
"5 sec / 7 sec / 9 sec / 12 sec / 15 sec"
2. Mode : Change the mode.  
"Auto / Sunny / Cloudy / Fluorescent / Tungsten"
3. Size: Select the image resolution.  
"Resolution : 64x96, 120x160, 176x144"
- 4.Quality: Select the image quality.  
"High / Mid / Low"

⚠ Frame function is not supported during video shot

**ⓘ Details on preview mode**

Moving each item using a left/right navigation key, then pressing upper/lower navigation key to adjust.

1. Zoom: It adjusts zoom level by using upper/lower navigation key.
  - └ Upper key : Zoom in.
  - └ Lower key : Zoom out
2. Brightness: Adjust brightness level by using upper/lower navigation key.
  - └ Upper key : It makes the display more brighter.
  - └ Lower key : It makes the display more darker.
3. Effect: Select different effects.
4. Frame: Change the frame of the image.

**Album**

This feature enables you to manage your photos and images.

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (or press digit 3 )
3. Scroll to [2.Album] using upper/lower navigation key, then press [OK]. (or press digit 2 )
4. Scroll to desire item, then press [OK]

**1. Photo Album**

You can review or delete stored photos. You can also change the photo name.

**ⓘ About photo album 'Menu'**

1. Large view : It shows photos as large images.  
Album view : It shows photos as thumbnail images.  
In this mode, use upper/lower navigation key to scroll through the photos .
2. List view : It goes back to list mode.  
(This menu only appears in the photo view status)
3. Send a MMS : It sends a photo as a MMS to other people
4. Save to idle : It sets a photo as idle screen.
5. Photo editor : It sends the selected photo to Photo editor to edit picture.
6. Rename : You can change the name of the photo.
7. Delete : It deletes the selected photo.
8. Delete all : It deletes all of the photos saved in the phone.
9. Information : It shows the information of stored photo about file name, format, size, etc.

**2. Video Album**

You can review, delete and change the filename of the stored video files.

**ⓘ About video album 'Menu'**

1. Send a MMS: It sends the video file as MMS to other people.
2. Rename: You can change the name of the file.
3. Delete: It deletes the video file.
4. Delete all: It deletes all the video files saved in the phone.
5. Information: It shows the information of stored video files such as file name, format, size, etc.

**Photo editor**

You can make various effects for the stored or new photos. When you enter into photo editor, menu bar is in active state while toolbar is inactive state.

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (or press digit 3 )
3. Scroll to [3.Photo editor] using upper/lower navigation key, then press [OK]. (or press digit 3 )

**Details of Photo editor**

1. Open: It goes to Photo Album, then opens the stored picture.
2. Shot: It goes to preview state.
3. Toolbar: It accesses toolbar items.
4. Exit: It exits photo editor and returns to previous menu.
5. Frame: It applies frame on a picture. You can change the frame using left or right soft key.
6. Filter: It applies filter on a picture. You can change filter using left or right soft key.  
"Normal / Mono / Sepia / Moon / Fog / Negative"
7. Text : It enters text on the picture

\*\* The 1~4 menu appears horizontally on the upper portion and the 5~7 menu appears vertically on the left side

**Setting**

You can choose to adjust various phone settings, shutter sound, image quality and size, etc. to suit your own requirements.

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (or press digit 3 )
3. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )
4. Scroll to desire item, then press [OK].

**1. Shutter sound**

This feature enables you to select the shutter sound.  
"Shutter 1 / Shutter2 / Shutter 3 / English shutter"

**2. Image size**

This feature enables you to select the image resolution. Different resolutions are: 64x96, 160x120, 176x144, 320x240, 640x480

**3. Quality**

This feature enables you to select the image quality.

**4. Serial count**

This feature enables you to select the number of serial shot.

**5. Set flash**

You can set the flash status.

**6. Display mode**

You can select the display mode.

If 'On' is selected, it will display the photo information with icon on the photo screen.

If 'Off' is selected, it will not display the photo information with icon on the photo screen.

**7. Lock album**

This feature enables you to lock the album. If your want to show the album in lock mode, you have to enter the password.

**Memory**

You can check how much space is left. If memory full appears, you cannot save any more pictures until you have deleted an item from the phone memory.

1. Press [Main].
2. Scroll to [3.Camera] using upper/lower navigation key, then press [OK]. (or press digit 3 )
3. Scroll to [5.Memory] using upper/lower navigation key, then press [OK]. (or press digit 5 )

## Setting

**Sound**

You can use the sound settings feature to customize various settings.

1. Press [Main].
2. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )
3. Scroll to [1.Sound] using upper/lower navigation key, then press [OK]. (or press digit 1 )
4. Scroll to desire item, then press [OK]

**1. Ring tone**

You can change the ringer tone when a call is received. When ringer tone is scrolled, the ring tone is played.

**2. Adjust volume**

This feature enables you to adjust the volume from one to five levels using upper/lower navigation key. You can adjust volume " Keypad / Earpiece / Bell volume"

**3. Ringer type**

This feature enables you to change the ringer type when a call or message is received.

<i>When Call or message is coming</i>	
Bell	Bell rings
Vibrator	Vibrator operates
Vib. => Bell	Vibrator operates then Bell rings
Vib. + Bell	Vibrator and bell operates at the same time
Sliding Bell	Ring tone increases in steps.
Lamp	Only Lamp operates

#### 4. Alert tone

Your can set various alert tones.

Alert Tone	Type Description
Connection	Alert tone rings when a call is connected
Out of SVC	Alert tone rings when the phone is out of range Alert tone rings before 10 seconds when call time
1 min Alert	reaches 1 minute
Confirm	Alert tone rings when an item is confirmed
Main sound	Alert tone rings when scrolling through the menu
Power on	Alert tone rings when the phone is powered on
Power Off	Alert tone rings when the phone is powered off

#### 5. Key tone

It enables you to change the key tone when pressing keys on the keypad. You can select 'Water, Drum, DTMF Tone or Voice' as the key tone.

- \* The battery consumption will be increased if Water, Drum or voice is selected.
- \* "Off" means no key tone.

#### 6. Message tone

You can select different alert tones for incoming messages.

#### Display

Your can set the display value according to the phone status.

1. Press [Main].
2. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )
3. Scroll to [2.Display] using upper/lower navigation key, then press [OK]. (or press digit2 )
4. Scroll to desire item, then press [OK]

#### 1. Set graphic

You can change the wall paper graphics using upper or lower navigation key to scroll the images.  
Press the left or right navigation key to switch between the main or the sub LCDs.



## 2. Backlight

You can set the backlight time for main LCD or Keypad.

1. LCD : It provides 3 modes.

"Normal mode / Save mode 1 / Save mode 2"

LCD Backlight state			
Normal mode	Backlight on for 10 sec	Dim mode for 20sec	Backlight goes out
Save mode 1	Backlight on for 10 sec	Backlight goes out	
Save mode 2	Dim mode for 20 sec	Backlight goes out	

2. Keypad : You can set the keypad backlight time.

It helps to reduce the battery power consumption.

"Sensor On / For 5 sec / For 10 sec / Always off"

ⓘ Keypad backlight sensor : If sensor operates, keypad backlight will be automatically adjusted itself according to the lighting of current environment.

## 3. Idle banner

You can edit the idle banner and move the banner position using the navigation key.

□ Edit : Change the idle banner.

Position : Adjust the idle banner position.

## 4. Indicator

You can set the indicator color of the external light for an incoming call.

## Phone set

This part illustrates different phone settings to suit your preferences.

1. Press [Main].

2. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )

3. Scroll to [3.Phone set] using upper/lower navigation key, then press [OK]. (or press digit3 )

4. Scroll to the desired item, then press [OK].

### 1. Language

You can select a display language. When you select [Auto], the language is automatically selected according to the language of the SIM card used

### 2. Phone mode

You can customize the ringer type for various events and environments. The default mode is preset to "Normal".

You can also change the following phone modes:

	Normal	Matting	Street	Concert	Car
Incoming Call	Bell	Vibrator	Vib. +Bell	Vibrator	Bell
Message Tone	Bell	Vibrator	Vib. +Bell	Vibrator	Bell
Key Tone	On	Off	On	Off	On
Alarm	Bell	Vibrator	Vib. +Bell	Vibrator	Bell
Auto Redial					On
Backlight				Save mode 2	

ⓘ In idle mode, press [#] for a while, the 'Phone Mode' appears.

**3. Time and Date**

You can change the current time and date

1. Select mode : Change the display mode

"Home/Dual/None"(Default is 'Home')

- └ Home : It displays time and date of 'Home'
- └ Dual : It displays time and date both of 'Home & Local'
- └ None : It does not display time and date.

2. Time & Date : You can set the time zone for your area and other area.

"Home / Region"

**4. Time format**

You can change the time and date format.

1. Time format : You can choose a time format between 12 hours and 24hours.  
"24 hours / 12 hours"

2. Date format : You can choose a date format from:  
"YYYY/MM/DD , MM/DD/YYYY, DD/MM/YYYY"

**5. Answer option**

You can change the way of answering a call.

1. Folder open : Answer the incoming call by opening the flip.  
If the flip has already opened, press [SEND] to answer the call.
2. Anykey press : Answer the incoming call by pressing any key, except[END] and the [Right soft] key.
3. Send key answer: Only answer the incoming call by pressing [SEND].

**6. Auto redial**

If you fail to connect a call, the phone will attempt to connect it again.

**7. Data mode**

It allows user to enable or disable the data mode.

**8. GPRS set**

It enables you to set the GPRS network.

1. Auto : It searches GPRS network automatically anywhere.
2. Manual : It searches GPRS network in the place where GPRS network is existed.

**Security set**

This feature locks your phone to prevent an unauthorized person from using it.

1. Press [Main].
2. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )
3. Scroll to [4.Security set] using upper/lower navigation key, then press [OK]. (or press digit4 )
4. Scroll to the desired item, then press [OK].

**1. Phone lock**

This feature enables you to prevent an unauthorized person from using your phone. When the phone is in lock status, you have to enter the 4-digit phone password. The password is set to '0000' by default.

To change the phone password, refer to the 'Change PWD' menu option.

- (1) Lock Now : After entering the correct security code, the phone will lock after going into the idle state. If you want to disable this phone lock, you should enter the right security code. If you power off in the phone lock state, when the phone is next powered on, the phone is the lock state.

(2) Auto Lock

- └ Enable : When you switch on the phone, you are required to enter the phone password when using the same SIM card.
- └ Disable : When you switch on the phone, you are not required to enter the phone password.

\* If SIM changed, your phone will request security code only when you change your SIM card.

## 2. SIM PIN

### 1. PIN check

When this feature is enabled, you have to enter your PIN each time when you power on the phone. Any person who does not have your PIN cannot use your SIM card without approval.

- └ Enable : You have to enter the PIN each time when you power on the phone.
- └ Disable : The phone connects directly to the network when you power on the phone.

### 2. Change PIN 1

This feature enables you to change the current PIN to a new one, provided that the PIN Check feature is enabled. To change PIN 1, PIN should be enable on "PIN check" You have to enter the current PIN before entering a new

one. You can change your PIN 1 (4~8 digits) or PIN2 (8-digit) codes. Once you have entered a new PIN, you are asked to confirm it by entering it again.

### 3) Change PIN 2

This feature enables you to change current PIN 2 to a new one. You have to enter the current PIN 2 before entering a new one. Once you have entered a new PIN 2, you are asked to confirm it by entering it again.

\* If you enter the code incorrectly, 'Invalid code' appears. If you enter wrong code three times consecutively, the PIN code is blocked. To unblock the PIN code, you should enter the 'PUK' code.

## 3. Master reset

This feature resets all the phone settings to factory default values.

\* If you enter the password incorrectly, 'Invalid code' will appear. You should try to enter the correct one again. If correct password is entered, phone settings will be set to factory default and the phone will be restarted.

## 4. Master clear

This feature formats the file system and deletes all the saved data such as phone book entries, call history list, etc.

\* If you enter the password incorrectly, 'Invalid password. Try again' will appear. You should try again to enter the correct one. If the correct password is entered, the phone will display 'Waiting...' message and the master clear operation is in progress. After the master clear operation has finished, the phone will be restarted.

### 5. Change PWD

This feature enables you to change the current phone password to be a new one. You have to enter the current password before entering a new one.

⚠ The default password is set to "0000"

### 6. FDN (Fixed Dial Number) (SIM dependent)

You can restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM card. You can set the following submenu by PIN2 code. The PIN2 code is required.

- Enable : You can restrict your outgoing calls to selected phone number.
- Disable : You can call without restricting phone number.

#### Network set

Various features are provided for you to set up the network services. Before using the network services, you have to subscribe them through your service provider and obtain user instructions from your service provider.

1. Press [Main].
2. Scroll to [4.Setting] using upper/lower navigation key, then press [OK]. (or press digit 4 )
3. Scroll to [5.Network set] using upper/lower navigation key, then press [OK]. (or press digit5 )
4. Scroll to the desired item, then press [OK].

### 1. Call divert

You can direct your incoming calls to another number. For details, please contact your service provider.

- Divert Always : All calls are diverted.
- On Busy: Calls are diverted if are currently on another call.
- No Reply: Calls are diverted if you have not answered the call.
- Unreachable : Calls are diverted if are not in an area covered by your service provider.
- Cancel : Call diverting options are cancelled.

### 2. Call barring

This service allows you to restrict outgoing calls and incoming calls.

- All outgoing : All calls cannot be made.
- Int'l Call : International calls cannot be made.
- Int'lExpHome : When you are abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.
- All Incoming : All calls cannot be received.
- In.At Abroad : Calls cannot be received when you use your phone outside of your home service area.
- Cancel all : All call barring settings are deactivated.
- Change PWD : User can change the call barring password.

**3. Call waiting**

This service enables you to be informed when you receive a second call during on ongoing call.

- └ Enable : Activating the corresponding service.
- └ Disable : Deactivating the corresponding service.
- └ Check status : Checking the status of the service.

**4. Caller ID**

You can prevent your phone number from being displayed on the phone of the person being called.

- └ Default: The default setting provided by the network is used.
- └ Hide Number: Your number will not be displayed on the other person's phone.(network dependent)
- └ Send Number: Your number is sent each time when you make a call.

**5. Network setup**

- └ Select Mode : User can select available network. (Auto select / Manual select)  
Please be careful that the phone may not operate properly if you change the network set up.
- └ Preferred NET (Preferred network)
  - 1. Add
    - └ Add from available : Add preferred network from available network.
    - └ Add from known : Add preferred Network from known network.
  - 2. Display : It shows the network which it prefers
- └ Known NET (Known network)  
You can select a network in the known network lists.

**Net account**

You can save the network settings in Net account in order for you to access the WAP and MMS services. Some settings are not mandatory. Please consult your network operator or service provider for more information.

After inserting your SIM card into your phone, your phone will automatically detect and assign the corresponding network settings into your phone according to your SIM Card. If your network operator is not on the list of Net Account, please enter or modify the settings of WAP and MMS according to the following.

**1. WAP**

1. Profile name: It displays the operator's name.
2. Homepage: Input a URL. It is different for each service provider.
3. Gateway: Gateway address in "xxx.xxx.xxx.xxx" format.
4. Port: Gateway port
5. Conn type: You can select a data connection type: HTTP, WSP CL, WSP CO (Default is "WSP CO").
6. Bearer type : You can select a bearer type: "GSM-CSD" or "GSM-GPRS".
7. GSM-GPRS: APN (the address of the external data network that you want to connect to, either an IP address or a text string),  
User ID, Password, Linger time.
8. GSM -CSD: Dial number, user ID, Password, Linger time.

**2. MMS**

1. Profile name :It displays the operator's name.
2. MMSC : Input a URL of multimedia messaging center.
3. Gateway :Gateway address in "xxx.xxx.xxx.xxx" format.
4. Port : Gateway port.
5. Conn type : You can select a data connection type: HTTP, WSP CL, WSP CO(Default is "WSP CO").
6. Bearer type : Your can select a bearer type: "GSM-CSD" or "GSM-GPRS".
7. GSM-GPRS : APN , User ID, Password, Linger time.
8. GSM -CSD :Dial number, user ID, Password, Linger time.

## Data folder

**Download**

In this menu, you can view the list of download items from the server (Pictures, Photos, Bell & Melody...etc.). Each item is indicated with a specific icon. When the memory is full, a warning message is displayed.

1. Press [Main].
2. Scroll to [5.Data folder] using upper/lower navigation key, then press [OK]. (or press digit 5 )
3. Scroll to [1.Download] using upper/lower navigation key, then press [OK]. (or press digit 1 )
4. Scroll to the desired item, then press [OK].

**1. Image**

This folder is used to store the image contents that you have received or downloaded through the WAP browser.

**2. Sound**

This folder is used to store the sound contents that you received or downloaded through the WAP browser.

**3. Others**

This folder is used to store the other contents that you have received or downloaded through the WAP browser.

**Photo**

This folder is used to store the photos that you have taken using a camera.

1. Press [Main].
2. Scroll to [5.Data folder] using upper/lower navigation key, then press [OK]. (or press digit 5 )
3. Scroll to [2.Photo] using upper/lower navigation key, then press [OK]. (or press digit 2 )
4. Scroll to the desired item, then press [OK].

**Video**

This folder is used to store the video files that you have taken using a camera.

1. Press [Main].
2. Scroll to [5.Data folder] using upper/lower navigation key, then press [OK]. (or press digit 5 )
3. Scroll to [3.Video] using upper/lower navigation key, then press [OK]. (or press digit 3 )
4. Scroll to the desired item, then press [OK].

**Avatar**

This folder is used to store the avatar items. You can save these as the idle screen.

1. Press [Main].
2. Scroll to [5.Data folder] using upper/lower navigation key, then press [OK]. (or press digit 5 )
3. Scroll to [4.Avatar] using upper/lower navigation key, then press [OK]. (or press digit 4 )
4. Scroll to the desired item, then press [OK]

## Scheduler

This feature enables you to view the calendar and manage your schedule, etc.

**Schedule**

When you enter this menu, a calendar appears. A square cursor is located on the current date, you can move to another date using navigation key. If there is a stored schedule, it shows a square outline.

1. Press [Main]
2. Scroll to [6.Scheduler] using Left/Right navigation key, then press [OK]. (or press digit 6)
3. Scroll to [1.Schedule] using upper/lower navigation key, then press [OK]. (or press digit 1)
4. Select the date, then press [OK].

**\* Entering Schedule**

- 1) Enter the schedule  
To edit the text for schedule, press[Edit], and to save the schedule, press[Save]. To add the new entry on the same day, press[Add] of menu. You can enter 32 characters.
- 2) Enter alarm  
If you want to set an alarm for the schedule, enter an alarm time here.
- 3) Reminder time  
Select 'On time, Before 1H(1hour), Before 1 D(Day), Off' using the navigation key.
- 4) Alert Ring tone  
If you want to change the alert ring tone, press [Chng] and select your desired ring tone.

## Main Menu

### \* About schedule 'menu'

- └ Add: It enables to enter a new schedule.
- └ Delete: It deletes the selected schedule after confirmation.

\*\* On the calendar screen, you can delete all schedules from the selected date

### \*\* Quick Access to Calendar

Press the [Left side of navigation key] in Idle mode.

#### To do

You can save a note for a task that you have to do, select a priority level for the note and mark it as done when you have completed it. You can enter up to 32 English characters.

1. Press [Main].
2. Scroll to [6.Scheduler] using Left/Right navigation key, then press [OK]. (or press digit 6)
3. Scroll to [2.To do] using upper/lower navigation key, then press [OK]. (or press digit 2)
4. Enter each of items , then press [Save].

### \* Details of 'To do'

- └ Due date : Enter due date
- └ Priority : Select high, normal or low priority using the navigation key.
- └ Status : Mark on task completed or not completed.

## Main Menu

### Memo

You can store a short memo.

1. Press [Main].
2. Scroll to [6.Scheduler] using upper/lower navigation key, then press [OK].(or press digit 6 )
3. Scroll to [3.Memo] using upper/lower navigation key, then press [OK].(or press digit 3 )
4. Enter memo, then press [OK].  
You can enter up to 80 English characters.

### ⚠ About 'Menu' of Memo

- └ Add: It enables you to enter a new memo.
- └ Delete: It deletes the selected memo after confirmation.
- └ Delete all: It deletes all the memos after confirmation.

### Anniversary

1. Press [Main].
2. Scroll to [6.Scheduler] using upper/lower navigation key, then press [OK].(or press digit 6 )
3. Scroll to [4.Anniversary] using upper/lower navigation key, then press [OK].(or press digit 4 )
4. Enter anniversary , then press [OK].  
If the data exists on a selected date, it will appear in the stored anniversary list. If the data does not exist, it will enter into anniversary input mode. If you try to add an Anniversary on the same day, press [Menu] and then select 'Add'.



**ⓘ Details of 'Anniversary'**

- 1. Name: Enter the name
- 2. Solar/Lunar: Select lunar or solar.
- 3. Date: Enter the anniversary date.
- 4. Time: Enter the reminder time
- 5. Event: Select 'Anniversary, Birthday or Engagement'.
- 6. Reminder time: Select 'On time, Before 1H(hour), Before 1 D(day) or Off'.
- 7. Alert Ring: Change the alert ring tone, press [Chng].

**ⓘ About anniversary 'Menu'**

- Add: It enables you to enter a new anniversary.
- Delete: It deletes the selected anniversary after confirmation.
- Delete all: It deletes all the anniversaries after confirmation.

**Auto On / Off**

Phone is automatically powered on and off according to set time.

- 1. Press [Main].
- 2. Scroll to [6.Scheduler] using upper/lower navigation key, then press [OK].(or press digit 6 )
- 3. Scroll to [5. Auto On/Off] using upper/lower navigation key, then press [OK].(or press digit 5 )
- 4. Enter time, then press [OK].

# Entertainment

**Game**

You can enjoy two games with your phone.

**1. Cargador**

- 1. Press [Main].
- 2. Scroll to [7.Entertainment] using upper/lower navigation key, then press[OK]. (or press digit 7 )
- 3. Scroll to [1.Game] using upper/lower navigation key, then press [OK].(or press digit 1 )
- 4. Scroll to [1.Cargador] using upper/lower navigation key, then press [OK].(or press digit 1 )
  - Start: It continues the last game that you executed before.
  - Go to Level: Go to Level: Enter the level that you like to play, then press [OK]. A total of 80 steps is provided.
  - Help: It shows the key map and the simple game guide.

ⓘ Using the side keys, you can adjust the game sound while you are playing the game.

**2. Blackjack**

1. Press [Main].
2. Scroll to [7.Entertainment] using upper/lower navigation key, then press[OK]. (or press digit 7 )
3. Scroll to [1.Game] using upper/lower navigation key, then press [OK].(or press digit 1 )
4. Scroll to [2.Blackjack] using upper/lower navigation key, then press [OK].(or press digit 2 )
  - Start : It starts the game.
  - Help : It shows the key map and the simple game guide.
    - Press 1, 2, 3 to bet.
    - (Press 1 : 10\$, Press 2 : 20\$, Press 3: 50 \$)
    - Press [OK]: HIT

⌘ Using the side key, you can adjust the game sound while you are playing the game.

**Avatar**

You can set the avatar to suit your preference and set it as wallpaper.

1. Press [Main].
2. Scroll to [7.Entertainment] using upper/lower navigation key, then press[OK]. (or press digit 7 )
3. Scroll to [2. Avatar] using upper/lower navigation key, then press [OK].(or press digit 2 )

**⌘ Making a Avatar**

1. Enter Avatar.
2. Select item by using left/right navigation key.  
(Hair Face Eye Mouth Jacket Pants Extras)
3. Select sub-item by using upper/lower navigation key.
4. Press [Save].
5. Enter name, then press [OK].

**⌘ About avatar 'Menu'**

1. Add: You can add a new avatar.
2. Send a MMS: You can send the avatar via MMS.
3. Save to idle: You can set it as a wallpaper.
4. Delete: It deletes the selected avatar after confirmation.
5. Delete all: It deletes all the stored avatars after confirmation.
6. Rename: Changes the name of the selected avatar.

## Utilities

### Alarm

The alarm will ring at the time set by you.

1. Press [Main].
2. Scroll to [8.Utilities] using upper/lower navigation key, then press [OK].(or press digit 8 )
3. Scroll to [1.Alarm] using upper/lower navigation key, then press [OK].(or press digit 1 )

#### ⓘ Entering alarm

1. Select period: Select 'Off, One time, Mon~Sat or Everyday' If you select 'Off', you are not required to input alarm time and set alarm bell.
2. Input alarm time.
3. Set alarm bell: If you want to change the alarm bell, press [Chng].

### Calculator

You can perform simple calculation such as addition, subtraction, multiplication and division.

1. Press [Main].
2. Scroll to [8.Utilities] using upper/lower navigation key, then press [OK].(or press digit 8 )
3. Scroll to [2.Calculator] using upper/lower navigation key, then press [OK].(or press digit 1 )

### World time

This feature allows you to check the current time in major cities around the world. Scroll through the cities using the Left/Right navigation key. The city name is displayed as title area.

1. Press [Main].
2. Scroll to [8.Utilities] using upper/lower navigation key, then press [OK].(or press digit 8 )
3. Scroll to [3.World Time] using upper/lower navigation key, then press [OK].(or press digit 3 )

### Stopwatch

You can use stopwatch function with this phone. The accuracy can reach to 0.1 seconds.

1. Press [Main].
2. Scroll to [8.Utilities] using upper/lower navigation key, then press [OK].(or press digit 8 )
3. Scroll to [4.Stopwatch] using upper/lower navigation key, then press [OK].(or press digit 4 )

#### ⓘ Details of stopwatch

- Start : Start to countdown timer.
- Stop : Stop of countdown timer.
- Reset : Reset the time without saving it.

**Currency**

You can calculate the exchange rates.

1. Press [Main].
2. Scroll to [8.Utilities] using upper/lower navigation key, then press [OK].(or press digit 8 )
3. Scroll to [5.Currency] using upper/lower navigation key, then press [OK].(or press digit 5 )

**Details of currency**

1. Select a combination of currencies to convert.
2. Enter the currency and exchange rate, so then Press [OK]
3. Result appears in the bottom.

## STK

STK features are provided by your service provider. STK menu shown only if it is supported by your SIM card. The name and contents of the menu depends on the available services. For details on using STK services, contact your SIM card vendor, e.g. network operator, service provider.

1. Press [Main].
2. Scroll to [9. STK] using upper/lower navigation key, then press [OK].(or press digit 9 )
3. Scroll to desire item, then press [OK]

## WAP

After you connect the browser, you can update bookmarks or online menu.

### Access to WAP

Press [OK] in idle mode to access WAP directly.

#### 1. Homepage

The address of the homepage is entered in WAP profiles. Once connected, the homepage is displayed.

#### 2. Bookmarks

The list of bookmarks can have 10 entries in maximum.

#### 3. Recent pages

It shows the latest visited WAP pages.

#### 4. Enter address

Please enter the WAP address that you would like to access.

#### 5. Settings

You can set the basic network settings in order for you to access internet service.

#### (1) Option:

- Refresh: It chooses the mode of "Refresh" or not.
- Show Images: It enables you to choose the mode to show the pictures when you are browsing.
- Show Movies: It enables you to choose the mode to show the movies when you are browsing.
- Play Sounds: It enables you to choose the mode to listen the sounds when you are browsing.
- Load Objects: It enables you to choose the mode to load the objects when you are browsing.


(2) Cache: You can set the Cache mode and clear the cache.

(3) Cookies: You can enable and clear the Cookies.

(4) Clear recent pages: You can delete recent pages that you have accessed.

# Message

## Access to Message


1. Press [  ] in idle mode.
2. Select [1.SMS] or [2.MMS].

## SMS

You can transmit and receive messages. When you receive new text messages, the message icon will appear.

### 1. New message

You can write and send a text message.


1. Press [  ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [1. New message] using upper/lower navigation key, then press [OK].(or press digit 1 )

### ⓘ Entering 'New message'

1. To :
  - (1) Press [Edit], then input the phone number of recipient.
  - (2) Press [PHBook], to search the recipient number in the phonebook.  
You can send a message to 5 recipients at a time.
2. Message : Write the message.

### 2. Inbox

When you receive a new message, alert tone beeps and new message icon appears.

1. Press [  ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [2.inbox] using upper/lower navigation key, then press [OK].(or press digit 2 )


The latest incoming message is displayed on top of the inbox. When the callback number is displayed, press [SEND] to connect a call.

### ⓘ About inbox menu

1. Reply: You can reply the message to sender.
2. Forward: You can forward the message to new recipients.
3. Copy to SIM(Phone): It enables you to copy message to the phone or vice versa.
4. Delete: It deletes selected message.
5. Delete all: It deletes all the messages saved in inbox after confirmation.
6. Cut number: You can extract phone number from the message, so that you can save them in phone book.

### 3. Outbox

This message box is used to store the messages that your have already sent.

1. Press [  ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [3.Outbox] using upper/lower navigation key, then press [OK].(or press digit 3 )

**ⓘ About outbox menu**

1. Forward: You can forward the message to new recipients.
2. Copy to SIM(Phone): It enables you to copy message to the phone or vice versa.
3. Delete: It deletes the selected message.
4. Delete all: It deletes all the messages kept in outbox messages after confirmation.
5. Cut number: You can extract phone number from the message, so that you can save them in phone book.

**4. Draft**

It stores draft messages that have not been sent.

1. Press [ⓘ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [4.Draft] using upper/lower navigation key, then press [OK].(or press digit 4 )

**ⓘ About draft menu**

1. Forward: You can forward the message to new recipients.
2. Delete: It deletes the selected message.
3. Delete all: It deletes all the messages kept in draft box after confirmation.
4. Cut number: You can extract phone number from the message, so that you can save them in phone book.

**5. Quick text**

You can use it to edit preset message.

1. Press [ⓘ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [5.Quick text] using upper/lower navigation key, then press [OK].(or press digit 5 )
4. Press [Menu], then select send to enter number.
5. Press [OK] or [SEND] button.

**ⓘ About quick text menu**

1. Edit: It enables you to edit the selected message.
2. Send: It enables you to send the selected message.

**6. Voice mail**

It is a network service. You may need to subscribe it first. For more information or for the voice mailbox number, please contact your service provider. Before using this feature, you must enter the voice centre number.

1. Press [ⓘ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [6.Voice mail] using upper/lower navigation key, then press [OK].(or press digit 6 )

**ⓘ About voice mail menu**

1. Number: Please enter Voice center number.
2. Listen: Press [OK] to connect to voice center.

**7. Broadcast**

You can receive message on various topics such as weather or traffic conditions from your service provider.  
For available topics and relevant topic numbers, please contact your service provider.

1. Press [ ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [7.Broadcast] using upper/lower navigation key, then press [OK].(or press digit 7 )

**ⓘ About broadcast menu**

1. Inbox: It allows you to enable or disable the reception of broadcast messages.
2. Option: A list of items for you to activate or deactivate.
3. Set Language: It allows you to select preferred language.
4. Channel List: It allows you to indicate the channels from which you would like to receive broadcast messages.


**8. Setting**

1. Press [ ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK].(or press digit 1 )
3. Scroll to [8.Setting] using upper/lower navigation key, then press [OK].(or press digit 8 )
  - (1) Service center : It enables you to store or change the SMS center number. You must obtain the number from your service provider.
  - (2) Expire period : It enables you to set the length at the message center while attempts are made to deliver them.  
Select the period in which the service center tries to deliver the message.  
"1 hour, 6 hours, 12 hours, 24 hours, 72 hours, 1 week, Maximum "
  - (3) Message type : It enables you to set the default message - Text, Voice, E-mail and Fax.  
The network can convert the message into the selected format.
  - (4) Status report : It enables you to activate or deactivate the report function.  
When this function is activated, the network will inform you whether your message has been delivered or not.
  - (5) Alert period : You can select alert period of incoming messages.  
"One Time, Every 2 min, Off"



## 9. Memory status


You can check the status of your SIM card and phone book memory. If memory full appears, you cannot save any more items until you have deleted an item.

1. Press [  ] in idle mode.
2. Scroll to [1.SMS] using upper/lower navigation key, then press [OK]. (or press digit 1 )
3. Scroll to [9.Memory status] using upper/lower navigation key, then press [OK].(or press digit 9 )

### MMS

Multimedia Messaging Service(MMS) enables you to send texts, pictures (also photos) and sounds in a combined message to another mobile phone or to an E-mail.

#### 1. Multimedia

1. Press [  ] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2)
3. Scroll to [1.Multimedia] using upper/lower navigation key, then press [OK].(or press digit 1)


#### Details of entering a message

1. To: Enter phone number/e-mail address of recipient.
2. Cc: Enter phone number/e-mail address of recipient.  
As in a combined message to another mobile phone or to an E-mail.
3. Subject: Write a title.
4. Options: You can set the following features:
  - Validity period: Select '1 Hour, 12 Hours, 1 Day, 1 Week or Max'

- Read report: User requests for a report that the recipient reads the message.
- Delivery report : It enables you to request for report of the message delivery status.
- Priority : Select 'Low, Normal or High'.
- 5. Edit content: You can edit the content type.
  - Split - Txt&Img: It inserts image after entering the text.
  - Split -Img&Txt : It inputs text after inserting an image.

## 2. Inbox

When a new multimedia message comes in, the display shows the text notification along with Subject of the message.

1. Press [  ] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2)
3. Scroll to [2.Inbox] using upper/lower navigation key, then press [OK].(or press digit 2)

#### About inbox menu

1. View : It enables you to view the received message.
2. Reply: You can reply a message to sender.
3. Reply to all: You can reply a message to all senders and recipients.
4. Forward: You can forward the received message to others.
5. Delete: It deletes the selected message.
6. Delete all: It deletes all message.
7. Refresh: It refreshes the selected message.
8. Back : It returns to previous screen

### 3. Outbox

In this menu saves any messages that you have already sent (If you choose "Save and Send" in New Message menu) or just saved without sending (if you choose "Save only").

1. Press [✉] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2 )
3. Scroll to [3. Outbox] using upper/lower navigation key, then press [OK].(or press digit 3 )

#### ⓘ About outbox menu

1. View: It enables you to view the message.
2. Edit message: It enables you to edit the message.
3. Delete: It deletes the selected message.
4. Delete all: It deletes all message.
4. Send: It sends the selected message.
5. Refresh: It refreshes the selected message.
6. Back: Go to previous screen.

### 4. Drafts

The unsent message is stored in Drafts Box. It has some sub menu such as view, send, delete and change.

1. Press [✉] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2 )
3. Scroll to [4. Drafts] using upper/lower navigation key, then press [OK].(or press digit 4 )

#### ⓘ About drafts menu

1. View: It enables you to view the message.
2. Edit message: It enables you to edit message.
3. Delete: It deletes the selected message.
4. Delete all: It deletes all message.

4. Send: It sends the selected message.
5. Refresh: It refreshes the selected message.
6. Back: Go to previous screen.

### 5. Sent

1. Press [✉] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2 )
3. Scroll to [5.Sent] using upper/lower navigation key, then press [OK].(or press digit 5 )

### 6. Templates

You can use it to edit the preset messages which contains picture and or MIDI sound.

1. Press [✉] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2 )
3. Scroll to [6. Templates] using upper/lower navigation key, then press [OK].(or press digit 6)

### 7. Settings

For MMS profile settings, please refer P. 57 for details. You can change the default multimedia message settings. The following options are available.

1. Press [✉] in idle mode.
2. Scroll to [2.MMS] using upper/lower navigation key, then press [OK].(or press digit 2 )
3. Scroll to [8.Settings] using upper/lower navigation key, then press [OK].(or press digit 7)

#### iØ Details of settings

1. Sending : You can set the sending status of validity period, read report, delivery report, etc.
  - (1) Validity period: You can select the validity time when send a message.  
Select '1 Hour, 12 Hours, 1 Day, 1 Week, Max'.
  - (2) Read report: Select 'On or Off'.
  - (3) Delivery report: Select 'On or Off'.
  - (4) Priority: Select 'Low, Normal or High'.
  - (5) Auto save: Select 'On or Off'.
  - (6) Slide duration: You can set the presentation time.
2. Retrieval Mode: You can select the mode between Delayed and Immediate.
3. Filters: You can set the received message type: 'Immediate limit, Treat as delayed, Max size'.

#### iØ USSD Service

USSD is a GSM service that user requests services by entering a service code (specific short digit or characters) at the handset.  
If you need more details, please contact your service provider because the service code differs.

## Battery

#### About the battery

The battery pack is not fully charged when purchased. Fully charge it for 8 hours the first time before using. Use only batteries approved by the phone manufacturer. Recharge battery only with the charger approved by the manufacturer.  
Unplug the charger when not in use.

#### Charging the battery

1. Connect the power plug to the wall socket outlet.
2. Insert the power cable jack into the connector at the lower part of the phone.



#### iØ Tips

- When the battery is almost empty, you will hear 'Beep' sounds.
- It may take additional charging time if the phone is powered on.

## Reference Information

### Caution!

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the charger approved by the manufacturer. If you use the non-approved batteries, it may cause fire or explosion. Unplug the charger when not in use .
- Do not leave the battery in hot or cold places, such as in a closed car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery.  
Also do not leave the battery in microwave, pressure pot.  
If the battery is heated in the closed space, it may cause fire, smoke or broken. Always try to keep the battery between -10~55jE
- Do not shock to battery extremely.  
It is very dangerous to disassemble a battery or to give a strong shock to the battery with the nail or the hammer.
- Keep the battery away from babies or pets.  
If the baby suck the battery, or the pet bite off the battery, it may cause broken or short circuit
- Dispose of used batteries in accordance with local regulations.  
Always recycle. Do not dispose of batteries in a fire.

## Reference Information

- Please handle the battery cautiously.  
Do not allow the battery terminals to contact the metallic objects. When the battery contacts metallic object ( coin , clip or pen ) it may cause accidental short-circuit, for example when you carry a spare battery in your pocket or purse. This may critically damage the battery.
- Do not contact with liquid, water, rain, beverage and extreme humidity. It will damage the circuit inside battery or cause the battery with extreme large current and cause fire or smoke.  
If the battery falls into the water, please remove it away from your cellular phone immediately. Then dry the battery in the shade and please contact service center.

If the battery falls into the water, please remove it away from your cellular phone immediately. Then dry the battery in the shade and please contact service center.

1. Charging Time(Power Off Status)

Description	Standard
Time	2.5 hours

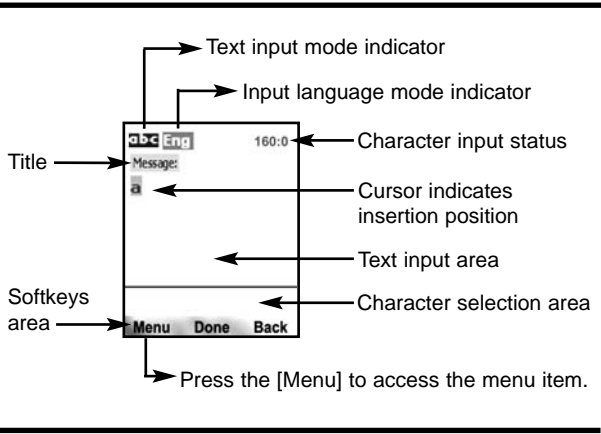
2. Battery Time

Description	Standard
Talk Time (min)	100 ~ 120 min
Standby Time (hours)	60 ~ 110 hours

- 1. Battery operating time (standby and talk time) is an estimated value from normal field condition (DRX=5). Therefore the battery performance depends on many factors including network configuration, signal strength, battery age and condition, the temperature and backlight status.
- 2. If the phone is in 'no service area', the standby time will become shorter.
- 3. Receiving call requires the same amount of electric current as much as that of making a call.

Entering Text

You can enter characters by using the phone's keypad. Using this feature you can storing a name in the phonebook, creating idle banner and scheduling events.



## Reference Information

### General text input guideline

#### Press [CLR] key

- Press the key : To delete one letter at a time.
- Press and hold down the key : To deletes the all characters in text area

#### Press [\*] key

- Word is entered : To select the word you entered.
- No word is entered : To insert a space

#### Press [END] key : Go to idle screen.

#### Press [1] key : To enter the punctuation marks.

#### Press [Side key] : To change input method.

#### Press [#] key

- Press the key : Changes the upper case and lower case.
- Press and hold down the key : On the text input mode, it changes the text a line

## Reference Information

### Changing the text input mode

- By pressing [Input Method] from [Menu]
- By pressing [Side key], you can change the mode

#### ⓘ About Text Input mode [Menu]

##### 1. Input Method

Using this menu, you can select input text mode.

- ⌘<sup>1</sup> English mode : eZi / abc / 123 / Symbol
- ⌘<sup>1</sup> Chinese mode : Zhuyin / Stroke / Pinyin / 123 / Symbol

##### 2. Language

Using this menu, you can change the input languages.  
Please select the language that you would like to choose.

\* The supported language may be different by countries.

##### 3. Exit

=> Return to previous screen.

English input

1. Normal English

- Letters input: press 2-9 one or more times to select letter.  
(Example) Input 'a' should press '2' once, Input 'y' should press '9' three times.
- Symbol Input: press '1' to select mark symbol, press '0' to select context symbol.
- Uppercase and lowercase: key [#]key.
- Space: key (\*).

2. Quick English

- Word input: press 2-9 one time to input letter at the key.
- Symbol Input: press '0'. to select all support symbol when no word is input.
- Press the [Left/Right navigation]key or [0]key, to move highlight word forward/back on the character selection area
- Press '\*' or Key down to confirm the highlight word.
- Space Input : key (\*).

Numeric input

0-9 to input number.  
Space Input : key (\*)

Symbol input

Press navigation key to navigate page up/down.  
Press 1~8 to confirm one of them.  
Press j@\*i to confirm the first candidate.

Data Format

Idle Mode	Month:1~9,10,11,12 Day :1~9,10,31 12/25 10:30p a:AM/p:PM Min : 00~09,10~59 Hour : 0~9,10,11,12
Schedule/ Alarm	00:00am am:AM/pm:PM Min : Enter Min form 00 to 59 Hour : Enter hour from 1 to 12
Anniversary	0000Y00M00D Day:Enter Day from 01 to 12 Month:Enter Month from 01 to 12 Year: Enter 1900 to 2040
To do	00M00D Day Month
Stopwatch	00:00:00 Millisecond Second Minute
World Time	Dallas City name 08/13[We]02:14A Mo~Su

**Troubleshooting**

Check these questions first if you experience problems with your phone :

**Q : I press the Power / End key, but nothing happened.**

A : Be sure to press and hold **[END]** (the END/Power key) until the display appears. You will hear an audible alert. If nothing happens, check the battery pack.

**Q : The display says "Insert SIM Card" or "Check SIM Card" even though I have inserted my SIM card in the phone.**

A : The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. Be sure to turn your phone off and turn it on again after your re-insert the SIM card.

**Q : The display says "Locked." . How do I unlock my phone?**

A : Try entering the 4 digit lock code 0000.

**Q : The display says "SIM Blocked". How do I unblock my SIM card?**

A : Call your service provider to obtain the PIN unblocking key(PUK) code.

**Q : My phone does not ring.**

A : If you see "Silent / Vibrator icon" in the display, then the ringer is turned off. Also, the ringer may be set to "Silent" even though your phone is set to a ring alert profile.

**Q : I cannot send/receive calls.**

A : Make sure that you have a phone network signal. Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have the "Call Barring" feature turned on. If you know the password, you can change this setting in the network setup menu. Also check and make sure your SIM card is installed and working properly.

**Q : My battery didn't last as long as I expected. What can I do to extend battery life?**

A : Your battery's performance is affected by charging frequency, feature use, temperature changes and other factors.

**Q : I tried to place a call and heard an alternating high/low tone.**

A : Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.



## Technical information

Supported Systems	GSM 850/1800/1900
Operating Frequency Range	GSM 850: 824 to 849 MHz(TX) 869 to 894 MHz(RX)
	DCS 1800: 1710 to 1785 MHz(TX) 1805 to 1880 MHz(RX)
	PCS 1900: 1850 to 1910 MHz(TX) 1930 to 1990 MHz(RX)
Max. Transmitting Power	GSM 850 : 33dBm(2Watt) Nominal DCS 1800 : 30dBm(1Watt) Nominal PCS 1900 : 30dBm(1Watt) Nominal
Size	89 x 45 x 22.5 mm
Weight	95g(approx.)

\* GSM : Global Systems for Mobile Communications

\* DCS : Digital Cellular System

\* PCS : Personal Communication Service

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# **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.

# **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 **1.40 W/Kg** and when worn on the body, as described in this user guide, is **0.225 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: R5WNGTN541T**.

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.

# **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.

## **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.

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.