



Welcome!!

Thank you for choosing **C650** 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.

* Please read before using the mobile phone

Table of contents

Safety and general information	6
Package contents	8
About your phone	9
Phone overview	9
Key definition	10
Status icon	12
Installing and Removing SIM card	14
Installing SIM card	14
Removing SIM card	14
Installing and Removing battery	15
Installing the battery	15
Removing the battery	15
Basic Function	16
Power on / off	16
About PIN/PUK	17
Making a call	19
Receiving a call	20
Missed a call	20
In call menu	21
Sub LCD	24
Quick access in idle mode	24
Storing a number	25
Main Menu	26
Selecting main menu item	26
Phone book	27
Phone book	27

Table of contents

Group edit	29
Turbo set	30
Memory status	30
My number	31
My profile	31
Call logs	32
Dialed call	32
Answered call	32
Missed call	33
Call time	33
Camera	34
Shooting	34
Album	37
Photo editor	39
Setting	40
Memory	41
Setting	42
Sound	42
Display	44
Phone set	46
Security set	49
Network set	52
Net account	56
Data folder	59
Download	59
Photo	60
Video	61
Avatar	62

Table of contents

Pictures	62
Melodies	63
Scheduler	64
Schedule	64
To do	65
Memo	66
Anniversary	66
Entertainment	68
Game	68
Avatar	69
Utilities	70
Alarm	70
Calculator	70
World time	71
Stopwatch	71
Currency	72
STK	73
Internet SVC	74
Message	77
SMS	77
MMS	84

Table of contents

Reference information	90
Battery	90
About the battery	90
Charging the battery	90
Caution	91
Battery time	92
Entering text	93
General text input guideline	93
Changing the text input mode	94
English input	95
Number input	96
Symbol input	96
Data format	97
Troubleshooting	99
Technical information	100

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 refuelling]

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

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 all accessories or batteries out of the reach of small children or babies. Please instruct children the proper ways of handling phone during usage. Shock circuit or breakdown may occur and may cause severe danger to user due to improper usage.

[Battery]

Do not apply extreme shock to battery. It is dangerous to disassemble a battery or to apply extreme shock to the battery via nail or heavy metal objects.

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

Package contents

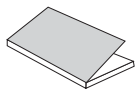
Package contents



Transceiver



Battery



User Manual



Charger

* The above photos depicts the closest actual representation of the products.

About Your Phone

Phone overview



Key definition

Key	Function
	[SEND Key] Makes or answers a call In idle mode: Access the Call list
	[END Key] End an active call. Hold the key down, switch phone On or Off.
	[Soft Key : Left] In menu mode : Performs the various functions according to the viewing menu. In idle mode : Connects to main menu.
	[Soft Key : Right] In Menu mode: Performs the various functions according to the viewing menu In Idle mode: Connects to Message
	[Side volume key] During a call : Adjusts earpiece volume In menu mode : Scrolls through the menu In idle mode : Adjusts the keytone volume
	[Numeric Key] Input 0~9 number in idle mode [Digit key 1] : When pressed and held in idle mode, quickly accesses voice mail server. [Digit key 9] : When pressed and held in idle mode, quickly accesses emergency Call

Key	Function
	[Navigation Key : Up] In menu mode : Scrolls the menu up. In idle mode : Access to Call log directly
	[Navigation Key : Down] In menu mode : Scroll down the menu In idle mode : Access to STK directly
	[Navigation Key : Left] In menu mode : Scrolls the menu up In idle mode : Access to Calendar directly
	[Navigation Key : Right] Edit mode : Moves the cursor right In Menu mode : Scrolls the menu Right Idle mode : Access to Phone book directly
	[OK Key] In menu mode : Selects the main menu. In idle mode : Connects to WAP directly.
	[Function Key : *] When pressed and held while entering a phone number , it enters a pause
	[Function Key : #] When pressed and held in idle mode, it enters phone mode menu.

Status icon

Icon	Function
	[Signal Strength Indicator] Indicates the strength of the network signal
	[In Use] Appears when a call is progressing
	[No Use] Appears when the network signal is not received
	[Bell] Appears when you set the <i>Bell</i> type
	[Call Forward] Appears when the <i>Call forward</i> feature is activated
	[Vibrator] Appears when you set the menu of <i>Vibration</i> type
	[Vibrator then bell] Appears when you set the menu of ' <i>vibrator then bell</i> '
	[Meeting mode] Appears when you set the ' <i>Meeting mode</i> '
	[Street mode] Appears when you set the ' <i>Street mode</i> '
	[Concert mode] Appears when you set the ' <i>Concert mode</i> '

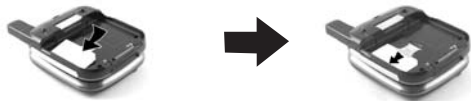
Icon	Function
	[Car mode] Appears when you set the ' <i>Car mode</i> '
	[Message] Appears when you have new or unread messages
	[Voice Message] Appears when you have new or unchecked voice messages
	[MMS Message] Appears when you have new or unchecked multimedia messages
	[WAP Push Message] Appears when you have new or unchecked WAP push message
	[Alarm] Appears when you set the <i>Alarm</i> and on
	[Roam] Indicates that you are roaming on another network
	[Data] Indicates that the phone is receiving the <i>data</i>
	[GPRS] Appears when you are connected to the <i>GPRS</i> network
	[Battery meter] Indicates the level of battery charged

Installing and Removing SIM card

SIM (Subscriber Identity Module) is a "Smart Card" 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.

* Careful!

If you disregard the matters which above mentioned, it could be erase information which stored on the your IM 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.

If the phone is not on, switch it on.

- With SIM card inserted : Dials the emergency call number
- Without SIM card inserted : Press [SOS] or dials the emergency call number directly.

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 Unblocking 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')

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.
- * Please enter your PIN number to unlock your phone, before receiving your phone.

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 Phone book 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.

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.



Quick access in idle mode

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



Storing 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. Press [STO]
3. Select [SIM] or [Phone]
4. Press [OK]
5. Enter content and then press [STO]

* Also, you can store phone numbers through the 'New Entry' of "Phone book" or 'Store' of "Call list" .

Phone Book

Selecting main menu item

Press [Main].

You may select the following 9 menus with navigation keys:

- | | | |
|-------------------------|-----------------------|---------------------|
| 1. Phone book | 2. Call log | 3. Camera |
| 4. Setting | 5. Data folder | 6. Scheduler |
| 7. Entertainment | 5. Utilities | 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

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

By main menu

- (1) Press [Main] in the idle mode.
- (2) Scroll to [1.Phone book] by pressing the navigation key, then press [OK]. (Or press digit 1)

By shortcut

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

II. Storing Number

1. Through the Phone book menu
 - (1) Press [Main] in the idle mode.
 - (2) Scroll to [1.Phone book] by pressing the navigation key, then press [OK]. (Or press digit 1)
 - (3) Scroll to [1.Phone book] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
 - (4) Press [Menu] then select [1.New entry].
 - (5) Select the storage memory to be store either SIM or Phone, then press [Save].
 - (6) Enters content of each categories, then press [Save].

2. Through the idle mode

- (1) Enter the number in the idle mode to be stored.
- (2) Press the [Save].
- (3) Select the storage memory to be store either SIM or Phone, then press [Save].
- (4) Enter contents and then press [Save].

*** Phone book detail**

- (1) Name : Enters the name
- (2) Location : Enters the location
- (3) Picture / Avatar : Changes the Picture or Avatar.
- (4) Number(Home / Cellular / Office / Other):
Enters the contact numbers
- (5) E-mail : Enters the e-mail address
- (6) Group : Selects the group type. (General / Family / Work / Friend / Group1 / Group2 / Group3)
- (7) Bell : Selects the desired ring tone when there is an incoming call.
- (8) Anniversary : Enters the anniversary date
(e.g. birthday, wedding anniversary. etc.)

*** About the [Menu]**

(The following options are available)

- (1) New entry : Adds the new entry
- (2) Send a MSG. : Sends the message(SMS, EMS) to selected number. (*Refer to the [9.Message])
- (3) Send a MMS : Sends the message(MMS) to selected number. (*Refer to the [9.Message])
- (4) Copy to SIM (or Phone) : Copies the selected number from any of both memories. (SIM card or Phone)

- (5) Delete : Deletes the selected number.
- (6) Delete all : Deletes all entry which is displayed in the selected group.
- (7) Find by name : Searches the entries by name.
- (8) Find by number : Searches the entries 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, 7groups 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] in the idle mode.
2. Scroll to [1.Phone book] by pressing the navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [2.Group edit] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
4. Selects the desired group to edit, then press [Edit].

*** About the [Edit]**

(The following options are available)

- (1) Rename : With this menu you can edit group name.
(It does not displayed in the General, Family, Friend, Work group mode)
- (2) Group bell : With this menu you can edit the ring tone of the group when you receive a call from a person in the group.

Turbo set

In the idle mode, simply by pressing the assigned number key, you can make a call easily . Also you can set the location of your SIM or Phone as the default memory for using turbo dial.

1. Press [Main] in the idle mode.
2. Scroll to [1.Phone book] by pressing navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [3.Turbo Set] by pressing up or down navigation key, then press [OK]. (Or press digit 3)
4. Selects the [SIM] or [Phone]

* When you use the memory from 001 to 009 :
Press and hold the last digit key.

* When you use the memory from 010~300 :
Press the assigned number, provided that you have to press and hold the last key

Memory status

You can check how many entries are stored in your SIM card and phone's memory. If [Memory is full!] message appears, you cannot save any more entry until you have delete other item

1. Press [Main] in the idle mode.
2. Scroll to [1.Phone book] by pressing navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [4.Memory status] by pressing up or down navigation key, then press [OK]. (Or press digit 4)

My number

You can see phone number which stored in your SIM card, also you can edit your own name.

1. Press [Main] in the idle mode.
2. Scroll to [1.Phone book] by pressing navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [5. My number] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
4. Select the number press [OK], then you can save your own number with editing name.

My profile

You can enter your personal information in My profile.

1. Press [Main] in the idle mode.
2. Scroll to [1.Phone book] by pressing navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [6.My profile] by pressing up or down navigation key, then press [OK]. (Or press digit 6)

*** My profile detail**

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

1. Dialed call

This menu lets you view the last 30 dialed call numbers. In the Idle mode, press [SEND]key then dialed call list will appear. The name, photo(or Avatar) if you saved, displays together with the date and time when the call was made.

1. Press [Main] in the idle mode.
2. Scroll to [2.Call logs] by pressing navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [1.Dialed call] by pressing up or down navigation key, then press [OK]. (Or press digit 1)

2. Answered call

This menu lets you view the last 30 answered call numbers. The name, photo(or Avatar) if you saved, displays together with the date and time when the call was made.

1. Press [Main] in the idle mode.
2. Scroll to [2.Call logs] by pressing navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [2.Answered call] by pressing up or down navigation key, then press [OK]. (Or press digit 2)

3. Missed call

This menu lets you view the last 30 missed call numbers. The name, photo(or Avatar) if you saved, displays together with the date and time when the call was made.

1. Press [Main] in the idle mode.
2. Scroll to [2.Call logs] by pressing navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [3.Missed call] by pressing up or down navigation key, then press [OK]. (Or press digit 3)

* About the [Edit]

(The following options are available)

- (1) Save : Saves the selected number.
- (2) Delete : Deletes the selected item after confirmation.
- (3) Delete all : Deletes the entire Dialed call list after confirmation.

4. Call time

This menu lets you view the timers for calls made and received.

1. Press [Main] in the idle mode.
2. Scroll to [2.Call logs] by pressing navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [4.Call time] by pressing up or down navigation key, then press [OK]. (Or press digit 4)

* Total Call time : Shows the total length of all calls made call since the timer was last reset.

* Last Call time : Shows the length of the last call.

* 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.

Shooting

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

1. Press [Main] in idle mode.
2. Scroll to [3.Camer] by pressing navigation key, then press [OK]. (Or press digit 3)
3. Scroll to [1.Shooting] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
4. Scroll to desired item, then press [OK].

1. Photo shot

This feature enables you to take a picture and save it

* About the [Menu]

(The following options are available)

- (1) 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

- (2) Mode :Changes the mode.

* Auto / Sunny / Cloudy / Fluorescent / Tungsten

- (3) Size : Selects the image resolution.

* Resolution : 64x96 / 160x120 / 176x144 / 320x240 / 640x480

- (4) Quality : Selects the image quality.

* High / Mid / Low

2. Serial shot

This feature enables you to take serial shots.

* About the [Menu]

(The following options are available)

- (1) Serial count: Selects the number of serial shot.
* 3 times / 5 times / 7 times / 9 times
- (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 : Changes the mode.
* Auto / Sunny / Cloudy / Fluorescent / Tungsten
- (4) Size: Selects the image resolution.
* Resolution : 64x96 / 160x120 / 176x144 / 320x240 / 640x480

(5) Quality : Selects 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 the [Menu]

(The following options are available)

(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 : Changes the mode.

* Auto / Sunny / Cloudy / Fluorescent / Tungsten

(3) Size: Selects the image resolution.

* Resolution : 64x96 / 160x120 / 176x144

(4) Quality: Selects the image quality.

* High / Mid / Low

**** Frame function is not supported during video shot**

* Preview mode detail

Move through the each item using the joy stick to the up or down side, then adjust the level pressing to the left or right side.

(1) Zoom : Adjusts the zoom level by using joy stick to the left or right side.

[Right side : Zoom in

[Left side : Zoom out

(2) Brightness : Adjusts the brightness level by using joy stick to the left or right side.

[Right side : Makes the display more brighter.

[Left side : Makes the display more darker.

(3) Effect : Selects the desired effect by using joy stick to the left or right side.

(4) Frame : Changes the desired frame by using joy stick to the left or right side.

Album

This feature enables you to manage your photos and images.

1. Press [Main] in idle mode.
2. Scroll to [3.Camer] by pressing navigation key, then press [OK]. (Or press digit 3)
3. Scroll to [2.Album] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
4. Scroll to desired item, then press [OK].

1. Photo Album

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

* About the [Menu]

(The following options are available)

- (1) Album view : Shows the photos as thumbnail images.
Large view : Shows the photos as large images.
- (2) List view : Goes back to list mode.
(This menu only appears in the photo view status)
- (3) Send a MMS : Sends a photo as a MMS to other people.
- (4) Save to idle : Sets a photo as idle screen.
- (5) Photo editor : Sends the selected photo to Photo editor to edit picture.
- (6) Rename : You can change the name of the photo.
- (7) Delete : Deletes the selected photo.
- (8) Delete all : Deletes all of the photos saved in the phone.
- (9) Information : Shows the information of stored photo about file name, format, size, etc.

2. Video Album

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

* About the [Menu]

(The following options are available)

- (1) Rename: You can change the name of the file.
- (2) Delete : Deletes the video file.
- (3) Delete all : Deletes all the video files saved in the phone.
- (4) Information : 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] in idle mode.
2. Scroll to [3.Camer] by pressing navigation key, then press [OK]. (Or press digit 3)
3. Scroll to [3.Photo editor] by pressing up or down navigation key, then press [OK]. (Or press digit 3)

* Photo editor detail

- * Photo Open : It goes to [Photo album], then you can select desired photo.
- * Photo Shot : It goes to camera preview mode, then you can taking a photo.
- * Photo Toolbar : It goes to [photo toolbar] items.
- * Photo Exit : It goes back to previous menu.
- * Frame : Applies the frame on a picture. You can change the frame using upper or lower soft key.
- * Filter : Applies the filter on a picture. You can change filter using upper or lower soft key.
(Normal / Mono / Sepia / Moon / Fog / Negative)
- * Text : Enters the text on the picture
- ** The 1~4 menu appears vertically on the right side , and the 5~7 menu appears on the underside

Setting

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

1. Press [Main] in idle mode.
2. Scroll to [3.Camer] by pressing navigation key, then press [OK]. (Or press digit 3)
3. Scroll to [4.Setting] by pressing up or down navigation key, then press [OK]. (Or press digit 4)
4. Scroll to desired item, then press [OK].

1. Shutter sound

With this menu, you can select the shutter sound.

* Shutter 1 / Shutter 2 / Shutter 3

2. Image size

With this menu, you can select the image resolution.

* Resolutions are : 64x96 / 160x120 / 176x144 / 320x240 / 640x480

3. Quality

With this menu, you can select the image quality.

* High / Mid / Low

4. Serial count

With this menu, you can select the number of serial shot.

* 3 times / 5 times / 7 times / 9 times

5. Display mode

With this menu, you can select the display mode.

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

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

6. Lock album

With this menu, you can lock the album. If you 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 is full!] message appears, you cannot save any more pictures until you have deleted other items from the phone memory.

1. Press [Main] in idle mode.
2. Scroll to [3.Camer] by pressing navigation key, then press [OK]. (Or press digit 3)
3. Scroll to [5.Memory] by pressing up or down 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] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [1.Sound] by pressing up or down navigation key, then press [OK]. (Or press digit 1)

1. Ring tone

With this menu, you can change the ring tone when a call is received. When ring tone is scrolled, the ring tone is played.

2. Adjust volume

With this menu, you can adjust the volume from one to five levels using up or down navigation key. You can adjust volume of Keypad / Earpiece / Bell volume.

3. Ringer type

With this menu, you can change the ringer type when a call or message is received.

Incoming calls or message

Bell	The ringing tone is played
Vibrator	The phone vibrates without ringing
Vib. -> Bell	Phone first vibrates and then start ringing
Vib. + Bell	Phone vibrates and rings simultaneously
Sliding bell	Phone ring becomes louder

4. Alert tone

With this menu, you can set the alert tone

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
1 min Alert	Alert tone rings before 10 seconds when call time reaches 1 minute
Confirm	Alert tone rings when an item is confirmed
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

With this menu, you can change the key tone when pressing keys on the keypad. You can select one of Water, Drum, DTMF Tone or English as the key tone.

- * If you select the Water or Drum, the battery consumption will be increased than you select the DTMF tone
- * **Off** means keys do not make any sound.

6. Message tone

With this menu, you can select different alert tones for incoming messages.

- * Msg. Tone 1 / Msg. Tone 2 / Msg. Tone 3 / Msg. Tone 4 / Msg. Tone 5 / Off

Display

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

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [2.Display] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
4. Scroll to desired item, then press [OK].

1. Set graphic

With this menu, you can change the wall paper graphics using up or down navigation key to scroll the images.

Press the left or right navigation key to switch between the Main LCD or the Sub LCD.

2. Backlight

With this menu, you can set the backlight time for main LCD or Keypad. It helps to reduce the battery power consumption.

(1) LCD

This menu provides 3 modes.

- * Normal mode / Save mode 1/ Save mode 2

LCD Backlight status			
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

With this menu, you can set the keypad backlight time. It helps to reduce the battery power consumption.

- For 5 sec / For 10 sec / Always off

3. Idle banner

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

Phone set

This menu illustrates different phone settings to suit your preferences.

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [3.Phone set] by pressing up or down navigation key, then press [OK]. (Or press digit 3)
4. Scroll to desired item, then press [OK].

1. Language

With this menu, 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

With this menu, you can customize the ringer type for various events and environments. The default mode is preset to Normal mode and it does not customize.

But the other mode change the following phone modes:

	Normal	Meeting	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 mode2	

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

3. Time & Date

With this menu, you can change the current time and date

(1) Select mode : Changes the display mode

- ┌ Home : Displays the time and date of Home
- └ Dual : Displays the time and date both of Home and Local
- └ None : 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

With this menu, you can change the time and date format.

(1) Time format

This option is used to decide the format in which the time will appear on the idle mode.

- ┌ 24 hours
- └ 12 hours

(2) Date format

This option is used to determine how the current date is displayed on the idle mode.

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

5. Answer option

With this menu, you can change the way of answering a call.

- (1) Folder open : Answer the incoming call by opening the flip. If the flip is 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, with this menu you can make up to redial a phone number after unsuccessful call

- (1) On : Phone number is redialed automatically.
- (2) Off : Phone number is not redialed.

7. Data mode

This menu allows you to enable or disable the data mode.

8. GPRS Set

With this menu you can set the GPRS network.

- (1) Auto : Searches GPRS network automatically anywhere.
- (2) Manual : Searches GPRS network in the place where GPRS network in existence.

Security set

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

- 1. Press [Main] in idle mode.
- 2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
- 3. Scroll to [4.Security set] by pressing up or down navigation key, then press [OK]. (Or press digit 4)
- 4. Scroll to 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 is 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) 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(Change password)

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"

* **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. Call divert

You can direct your incoming calls to another number. Contact your service provider for more information.

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)

3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
4. Scroll to [1.Call divert] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
5. Scroll to desired item, then press [OK].

- └ 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 : All call diverting options are cancelled.

2. Call barring

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

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
4. Scroll to [2.Call barring] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
5. Scroll to desired item, then press [OK].

- └ All outgoing : All calls cannot be made.
- └ Int'l Call (International Call) :
 - International calls cannot be made.
- └ Int'lExpHome (International Except Home) :
 - 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.AtAbroad (International 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 an ongoing call.

1. Press [Main] in idle mode.
 2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
 3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
 4. Scroll to [3.Call waiting] by pressing up or down navigation key, then press [OK]. (Or press digit 3)
 5. Scroll to desired item, then press [OK].
- └ Enable : Activating the corresponding service.
 - └ Disable : Deactivating the corresponding service.
 - └ Check status : Checking the status of the service.

4. Caller ID

This network service allows whether to display your phone number on the other person's phone or not. But some networks do not support this feature.

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
4. Scroll to [4.Caller ID] by pressing up or down navigation key, then press [OK]. (Or press digit 4)
5. Scroll to desired item, then press [OK].

- └ Default : This menu is set by network supports
- └ Hide number: Your number will not be displayed on the other person's phone.
- └ Send number: Your number is sent each time when you make a call.

5. Network setup

1. Press [Main] in idle mode.
2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)
3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
4. Scroll to [5.Network setup] by pressing up or down navigation key, then press [OK]. (Or press digit 5)
5. Scroll to desired item, then press [OK].

(1) 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.

(2) Preferred NET (Preferred network) :

Add

└ Add from available : Add preferred network from available network.

└ Add from known : Add preferred Network from known network.

Display : It shows the network which it prefers

(3) Known NET (Known network) :

You can select a network in the known network lists.

Net account

Your 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. Press [Main] in idle mode.

2. Scroll to [4.Setting] by pressing navigation key, then press [OK]. (Or press digit 4)

3. Scroll to [5.Network set] by pressing up or down navigation key, then press [OK]. (Or press digit 5)

4. Scroll to [6.Net account] by pressing up or down navigation key, then press [OK]. (Or press digit 6)

5. Scroll to desired item, then press [OK].

1. WAP

(1) Profile name : Displays the Operator's name.

(2) Homepage : Inputs the 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 : Your can select a bearer type : GSM-GPRS or GSM-CSD.

(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 : 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 : 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.

* APN :

The address of the external data network that you want to connect to, either an IP address or a text string

Data folder

In this menu, you can view the list of download items from the server (Picture, Photo, Bell & Melody, etc.).

Each item is indicated with a specific icon. When the memory is full, a warning message is displayed.

By shortcut

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

Download

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

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [1.Download] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
4. Scroll to desired item, then press [OK].

- (1) Image : This feature allows you to view the image received from other sources, such as the WAP sites or multimedia message
- (2) Sound : This feature allows you to listen to the melodies received from other sources, such as the WAP sites or multimedia message
- (3) Others : This feature allows you to use the other contents received from other sources, such as the WAP sites or multimedia message

*** About the [Menu]**

(The following options are available)

- (1) Send a MMS : Sends a photo as a MMS to other people.
- (2) Save to idle(or ring tone) : Set a item as idle screen.
(Or set a item as ring tone)
- (3) Save to power on : You can save the selected item to the image for power on.
- (4) Save to power off : You can save the selected item to the image for power off.
- (5) Rename : Changes the name of the item.
- (6) Detail : Shows the detail information of selected item about title, format or size.
- (7) Delete : Deletes the selected item.
- (8) Delete all : Deletes all of the items saved in the phone.

Photo

This folder allows you to view the taken pictures.

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [2.Photo] by pressing up or down navigation key, then press [OK]. (Or press digit 2)

*** About the [Menu]**

(The following options are available)

- (1) Large view : Shows the photos as large images.
Album view : Shows the photos as thumbnail images.
In this mode, use up or down navigation key to scroll through the photos .
- (2) List view : Return to list mode.

(This menu only appears in the photo view status)

- (3)Send a MMS : Sends a photo as a MMS to other people.
- (4) Save to idle : Sets a photo as idle screen.
- (5) Save to power on : You can save the selected item to the image for power on.
- (6) Save to power off : You can save the selected item to the image for power off.
- (7) Photo editor : Sends the selected photo to Photo editor to edit picture.
- (8) Rename : You can change the name of the photo.
- (9) Delete : Deletes the selected photo.
- (10) Delete all : Deletes all of the photos saved in the phone.
- (11) Information : Shows the information of stored photo about title, format or size etc.

Video

This folder allows you to view the taken video files.

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [3.Video] by pressing up or down navigation key, then press [OK]. (Or press digit 3)

*** About the [Menu]**

(The following options are available)

- (1) Rename : You can change the name of the video file.
- (2) Delete : Deletes the selected photo.
- (3) Delete all : Deletes all of the photos saved in the phone.
- (4) Information : Shows the information of stored photo about title, format or size etc.

Avatar

This folder allows you to view the stored avatars

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [4.Avatar] by pressing up or down navigation key, then press [OK]. (Or press digit 4)

*** About the [Menu]**

(The following options are available)

- (1) Send a MMS : Sends a avatar as a MMS to other people.
- (2) Save to idle : Sets a avatar as idle screen.
- (3) Delete : Deletes the selected photo.
- (4) Delete all : Deletes all of the photos saved in the avatar.
- (5) Rename : You can change the name of the avatar.

Picture

This folder allows you to view the stored pictures

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [5.Picture] by pressing up or down navigation key, then press [OK]. (Or press digit 5)

*** About the [Menu]**

(The following options are available)

- (1) Display : Displays a picture as idle screen.
- (2) Rename : You can change the name of the picture.

- (3) Send a MMS : Sends a picture as a MMS to other people.
- (4) Wall : Sets a picture as idle screen.
- (5) Delete : Deletes the selected picture.
- (6) Delete all : Deletes all of the photos saved in the pictures

Melody

This folder allows you to listen the melodies.

1. Press [Main] in idle mode.
2. Scroll to [5.Data folder] by pressing navigation key, then press [OK]. (Or press digit 5)
3. Scroll to [6.Melody] by pressing up or down navigation key, then press [OK]. (Or press digit 6)

*** About the [Menu]**

(The following options are available)

- (1) Send a MMS : Sends a avatar as a MMS to other people.
- (2) Save to idle : Sets a avatar as idle screen.
- (3) Delete : Deletes the selected photo.
- (4) Delete all : Deletes all of the photos saved in the avatar.
- (5) Rename : You can change the name of the avatar.

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] in idle mode.
2. Scroll to [6.Scheduler] by pressing navigation key, then press [OK]. (Or press digit 6)
3. Scroll to [1.Schedule] by pressing up or down navigation key, then press [OK]. (Or press digit 1)

* 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 joy stick.
- (4) Alert Ring tone
If you want to change the alert ring tone, press [Chng] and select your desired ring tone.

* About the [Menu]

(The following options are available)

Add: Enables to enter a new schedule.

Delete: Deletes the selected schedule after confirmation.

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

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] in idle mode.
2. Scroll to [6.Scheduler] by pressing navigation key, then press [OK]. (Or press digit 6)
3. Scroll to [2.To do] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
4. Enter each of items , then press [Save].

* To do detail

- └ To do contents : To edit the text for to do, press[Edit], and to save the to do, press [Done].
- └ Due date : Enters the due date
- └ Priority : Selects the High, Normal or Low priority by pressing the navigation key.
- └ Status : To mark the status of task, press [Sel]

Memo

You can store a short memo.

1. Press [Main] in idle mode.
2. Scroll to [6.Scheduler] by pressing navigation key, then press [OK]. (Or press digit 6)
3. Scroll to [3.Memo] by pressing up or down navigation key, then press [OK]. (Or press digit 3)
4. Enter memo, then press [OK].

You can enter up to 80 English characters.

*** About the [Menu]**

(The following options are available)

- └ Add : Enables you to enter a new memo.
- └ Delete : Deletes the selected memo.
- └ Delete all : Deletes all the memo.

Anniversary

You can store the anniversaries to be remembered, such as wedding anniversaries, birthdays or other special days.

1. Press [Main] in idle mode.
2. Scroll to [6.Scheduler] by pressing navigation key, then press [OK]. (Or press digit 6)
3. Scroll to [4.Anniversary] by pressing up or down navigation key, then press [OK]. (Or press digit 4)
4. Enters anniversary contents, 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'.

*** Anniversary detail**

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

*** About the [Menu]**

(The following options are available)

- └ Add: Enables you to enter a new anniversary.
- └ Delete : Deletes the selected anniversary after confirmation
- └ Delete all : Deletes all the anniversaries after confirmation

Auto On / Off

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

1. Press [Main] in idle mode.
2. Scroll to [6.Scheduler] by pressing navigation key, then press [OK]. (Or press digit 6)
3. Scroll to [5.Auto On/Off] by pressing up or down navigation key, then press [OK]. (Or press digit 5)

Entertainment

Game

You can enjoy two games with your phone.

1. Cargador

1. Press [Main] in idle mode.
2. Scroll to [7.Entertainment] by pressing navigation key, then press [OK]. (Or press digit 7)
3. Scroll to [1.Game] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
4. Scroll to [1.Cargador] by pressing up or down navigation key, then press [OK]. (Or press digit 1)

- Start : Continues the last game that you executed before.
- Go to Level : Enters the level that you like to play, then press [OK]. A total of 80 steps is provided.
- Help : 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] in idle mode.
2. Scroll to [7.Entertainment] by pressing navigation key, then press [OK]. (Or press digit 7)
3. Scroll to [1.Game] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
4. Scroll to [2.Blackjack] by pressing up or down navigation key, then press [OK]. (Or press digit 2)

- Start : Starts the game.
- Help : 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] in idle mode.
2. Scroll to [7.Entertainment] by pressing navigation key, then press [OK]. (Or press digit 7)
3. Scroll to [2.Avatar] by pressing up or down navigation key, then press [OK]. (Or press digit 2)

* Making an Avatar

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

Utilities

Alarm

The alarm will ring at the time set by you.

1. Press [Main] in idle mode.
2. Scroll to [8.Utilities] by pressing navigation key, then press [OK]. (Or press digit 8)
3. Scroll to [1.Alarm] by pressing up or down navigation key, then press [OK]. (Or press digit 1)

* Entering alarm

- (1) Select period : Select the 'Off, One time, Mon~Fri 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] in idle mode.
2. Scroll to [8.Utilities] by pressing navigation key, then press [OK]. (Or press digit 8)
3. Scroll to [2.Calculator] by pressing up or down navigation key, then press [OK]. (Or press digit 2)

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] in idle mode.
2. Scroll to [8.Utilities] by pressing navigation key, then press [OK]. (Or press digit 8)
3. Scroll to [3.World time] by pressing up or down 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] in idle mode.
2. Scroll to [8.Utilities] by pressing navigation key, then press [OK]. (Or press digit 8)
3. Scroll to [4.Stopwatch] by pressing up or down navigation key, then press [OK]. (Or press digit 4)

* Stopwatch detail

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

STK

STK features are provided by your service provider. If your SIM card supports STK feature, you will see the STK menu. Please contact your service provider for details of STK.

By main menu

- (1) Press [Main] in the idle mode.
- (2) Scroll to [9. STK] using Left/Right navigation key, then press [OK].(or press digit 9)

By shortcut

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

Currency

You can calculate the exchange rates.

1. Press [Main] in idle mode.
2. Scroll to [8.Utilities] then press [OK].(or press digit 8)
3. Scroll to [5.Currency] then press [OK].(or press digit 5)

*** Currency detail**

- (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.

Internet SVC

Your phone includes a built-in WAP browser, allows you to access various WAP(Wireless Application Protocol) services Such as news, sports, travel, weather report and entertainment.

* Access to Internet SVC(Service)

By shortcut

Press the [Center navigation key] in the idle mode to access internet service directly.

1. Homepage(TELCEL)

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

* About the [Menu]

(The following options are available)

- (1) PROFILE1
- (2) Recent Pages
- (3) Refresh
- (4) Bookmarks
- (5) Enter Address
- (6) Save as...
- (7) Save as home
- (8) Push Message
- (9) Settings

2. Bookmarks

The list of bookmarks can have 10 entries in maximum.

3. Recent pages

Shows the latest visited WAP pages.

4. Enter address

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

5. Settings

In this menu, you can make settings for the WAP servers of different network operators, and select the server that you would like to use when connecting to the Internet.

(1) Option

- Refresh : Chooses the mode of "Refresh" or not.
- Show Images : This feature allows whether to show the images when you are receiving a object or not .(Never / Ask / Always)
- Play Movies : This feature allows whether to show the movies when you are receiving a object or not .(Never / Ask / Always)
- Play Sounds : This feature allows whether to listen the sounds when you are receiving a object or not .(Never / Ask / Always)
- Load Objects : This feature allows whether to receive the object when you are browsing or not (Never / Ask / Always)

Message

(2) Cache

The information or services you have accessed are stored in the cache of your phone. A cache is a buffer memory, which is used to store data temporary.

- Cache Mode : This feature allows whether to use the cache function or not
- Clear Cache : This feature allows you to clear information stored in the cache

(3) Cookies

You can set the phone to allow or prevent receiving cookies. A cookie is data that a WAP site saves in your phone's browser cache memory.

- Enable Cookies : This feature allows whether to use the cookie function or not
- Clear Cookies : This feature allows you to clear information stored in the cache

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

This menu allows you to create, send, read and save messages with the SMS(Short Message Service), EMS(Enhanced Message Service : message including simple image, animation or melody), MMS(Multimedia Message Service).

* This message service may not be available on all networks. Contact your service provider for more information.

SMS

You can use this SMS(Short message service) feature to send, receive and edit short text message. In addition, your phone supports the EMS(Enhanced Message Service), it enables you to make short message consisting of simple pictures, melodies and animations .

1. New message

With this menu you can write a message and insert EMS options.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [1.New message] then press [OK]. (or press digit 1)

*** Entering New message**

(1) To :

- Press the [Edit] then inputs the phone number of recipient.

* You can use the [PHBook] to search the recipient's number from the phonebook.

You can send a message to 5 recipients simultaneously.

(2) Text :

- Press the [Edit] then write the message.

*** About the [Menu]**

(The following options are available)

- (1) Input method : You can use this menu to select input text mode.
- (2) Language : You can change the input languages.
- (3) Insert Media : You can contain multimedia contents when you create the message.
- (4) Exit : Return to previous screen.

- (3) After you complete the message, press [Send] and select one of the following options.

*** About the [Send]**

(The following options are available)

- Send Only : Sends the message.
- Save and Send : Saves the message, and send it.
- Save Only : Saves the message so that it can be sent later

2. Inbox

With this menu you can read messages. When you have received the message, new message icon appears together with beeps. (except meeting and concert modes)

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [2.Inbox] 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 the [Menu]**

(The following options are available)

- 1) Reply : You can reply the message to sender.
- 2) Forward : You can forward the message to new recipients.
- 3) Copy to SIM(Phone) : Enables you to copy message to the phone or vice versa.
- 4) Delete : Deletes selected message.
- 5) Delete all : Deletes all the messages saved in inbox after confirmation.
- 6) Cut address : You can extract phone number, URL and email address from the contents so that you can use them to save the number, go to URL ro save email address, respectively.

3. Outbox

With this menu you can view the saved 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 the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [3.Outbox] then press [OK]. (or press digit 3)

* About the [Menu]

(The following options are available)

- (1) Forward : Forwards a received message to other recipient.
- (2) Copy to SIM(Phone) : Enables you to copy message to the phone or vice versa.
- (3) Delete : Deletes the selected message.
- (4) Delete all : Deletes all the messages from inbox.
- (5) Cut address :You can extract phone number, URL and email address from the contents so that you can use them to save the number, go to URL ro save email address, respectively.

4. Draft

With this menu you can view the messages saved as draft that are not sent.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [4.Draft] then press [OK]. (or press digit 4)

* About the [Menu]

(The following options are available)

- (1) Forward : Forwards a received message to other recipient.
- (2) Delete : Deletes the selected message.
- (3) Delete all : Deletes all the messages from inbox.
- (4) Cut address : You can extract phone number, URL and email address from the contents so that you can use them to save the number, go to URL ro save email address, respectively.

5. Quick text

There are preset messages in the list. With this messages, you can edit the preset message or create new message.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [5.Quick text] then press [OK]. (or press digit 5)

* About the [Menu]

(The following options are available)

- (1) Edit : Enables you to edit the selected preset message.
- (2) Send : Enables you to send the selected preset message

6. Voice mail

With this menu, you can access your voice mailbox quickly. The voice mail message icon will be displayed on the screen if there is a voice mail.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [6.Voice mail] then press [OK]. (or press digit 6)

* About the [Menu]

(The following options are available)

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

7. Broadcast

With this menu, you can receive the broadcast messages on general information such as weather or traffic, etc. . For more information about topics, please contact your service provider.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [7.Broadcast] then press [OK]. (or press digit 7)

* About the [Menu]

(The following options are available)

- (1) Inbox : You can read all the received broadcast messages.
- (2) Option : Selects whether to receive the broadcast messages or not
- (3) Set language : Selects your preferred language to be display of broadcast message.
- (4) Channel list : Indicates the channel from which you wish to receive broadcast message

8. Setting

With this menu, you can set up SMS message.

1. Press [] in the idle mode.
2. Scroll to [1.SMS] by pressing up or down navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [7.Broadcast] then press [OK]. (or press digit 7)

(1) Service center :

Enables you to store or change the number of your SMS center required when sending messages
You must obtain the number from your service provider.

(2) Expire period :

Enables you to set the length of the time for which your messages are stored at the message center while attempts are made to deliver them .
Selects 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 :

Enables you to set the default message type - Text, Voice, E-mail and Fax. The network can convert the message into the selected format.

(4) Status report :

Enables you to activate or deactivate the report function.
When this function is **On**, the network will inform you whether or not your message has been delivered .

(5) Alert period :

Enables you to select the period of alert type when incoming message

One time, Every 2 min, Off

9. Memory status

You can check the status of your phone and SIM card memory. If [Memory is full!] message appears, you cannot save any more item until you have deleted other item.

MMS

You can use this MMS feature to send and receive messages containing multimedia contents (image, sound).

1. Multimedia

With this menu you can write a message and insert MMS options.

1. Press [] in the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [1.Multimedia] then press [OK]. (or press digit 1)

* Entering MSG editor

- (1) **To**[] : Enters the phone number or Email address of recipient. Press the [Edit] then input the phone number of recipient.
- (2) **Cc**[] : To send the message to another mobile phone, enter the phone number or Email address of recipient. Press the [Edit] then inputs the phone number of recipient.

* You can use the [Phone book] to search the recipient's number from the phonebook.

- (3) **Subject**[] : Writes a title.

- (4) **Options**[] : You can set the following features,

- Validity period : Selects the validity period to 1 Hour, 12 Hours, 1 Day, 1 Week or Max.
- Read report : Enables you to request for a report that the recipient reads the message.
- Delivery report : Enables you to request for report of the message delivery status.
- Priority : Selects the 'Low, Normal or High'.

- (5) **Edit content**[] : You can edit the content type.

- Split-Text&Image : Inserts an image after entering the text
- Split-Image&Text : Inputs a text after inserting an image

2. Inbox

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

1. Press [] in the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [2.Inbox] then press [OK]. (or press digit 2)

*** About the [Menu]**

(The following options are available)

- (1) View : 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 : Deletes the selected message.
- (6) Delete all : Deletes all message.
- (7) Refresh : Refreshes the selected message.
- (8) Back : 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 the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [3.Outbox] then press [OK]. (or press digit 3)

* About the [Menu]

(The following options are available)

- (1) View : Enables you to view the message.
- (2) Edit message : Enables you to edit the message.
- (3) Delete : Deletes the selected message.
- (4) Delete all : Deletes all message.
- (5) Send : Sends the selected message.
- (6) Refresh : Refreshes the selected message.
- (7) Back : Goes 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 the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [4.Draft] then press [OK]. (or press digit 4)

* About the [Menu]

(The following options are available)

- (1) View : Enables you to view the message.
- (2) Edit message : enables you to edit message.
- (3) Delete : Deletes the selected message.
- (4) Delete all : Deletes all message.
- (5) Send : Sends the selected message.
- (6) Refresh : Refreshes the selected message.
- (7) Back : Goes to previous screen.

5. Sent

When you access this menu option, the list of the MMS messages that you have already sent successfully will display.

1. Press [] in the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [5.Sent] 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 the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [6.Templates] then press [OK]. (or press digit 6)

7. Settings

You can change the default multimedia message settings. The following options are available.

1. Press [] in the idle mode.
2. Scroll to [2.MMS] by pressing up or down navigation key, then press [OK]. (Or press digit 2)
3. Scroll to [7.Setting] then press [OK]. (or press digit 7)

* Settings detail

1. Sending

You can set the sending status of validity period, read report, delivery report, etc.

- (1) Validity period :
Sets the length of the time for your message will be saved at the message center while attempts are made to deliver them. Set on the 1 Hour, 12 Hours, 1 Day, 1 Week, Max
- (2) Read report : When this option sets to ON, your recipient's phone sends a reply to let you know when your message was read by him/her.
- (3) Delivery report : When this option sets to On, the network informs you whether or not your message has been delivered

(4) Priority : Set the priority of message. Low, Normal or High.

(5) Auto save

(6) Slide duration

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' .

* 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 chargers 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.



* Tips

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

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 chargers 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 -10~55°C
- Do not apply extreme shock to the battery. It is dangerous to disassemble a battery or to apply extreme shock to the battery via nail or heavy metal objects.
- Keep all accessories or batteries out of reach of small children or babies. Please instruct children the proper ways of handling phone during usage. Shock circuit and breakdown may occur and cause severe danger to user due to improper usage.

Battery Time

1. Charging Time(Power Off Status)

Description	Standard(650mAh)
Time	2 hours

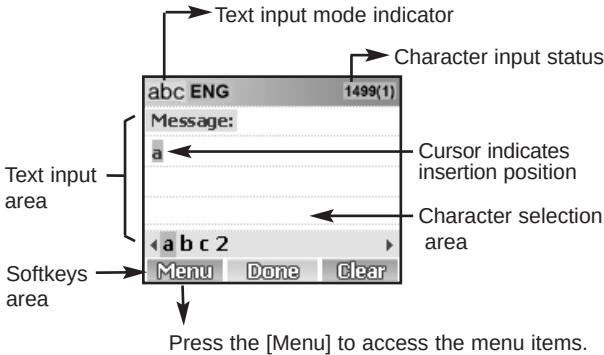
2. Battery Time

Description	Standard(650mAh)
Talk Time (min)	100 ~ 120 min
Standby Time (hours)	60 ~ 100 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 store a name in the phone book, creating idle banner and scheduling events.



General text input guidelinePress [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 up case and lower case.
- Press and hold down the key : On the text input mode, it changes the text a line

Changing the text input mode

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

*** About the [Menu]**

(The following options are available)

(1) Input method

Using this menu, you can select input text mode.

Possible input mode are eZi, abc, 123 and Symbol mode.

(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) Insert Media

Using this menu, you can contain multimedia contents when you create the message.

Possible items are Picture, Melody, Sound and Animation

(4) Exit

Return to previous screen.

English input**1. Predictive English (eZi mode)**

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 Key[left / right] or [+]key to navigate (move highlight forward or back).

Press[*] or Key Down to confirm the highlight word.

Press[Clear](Right Softkey) to delete current preview input letter.

Space input : key[*]

2. Normal English (abc mode)

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.

Space input : key[*]

Changing uppercase and lowercase: key[#]

Number input (123 mode)

This feature type numbers using one keystroke per number.

Input number : Press 0~9 keypad

Space Input : key[**]

The 123 mode indicator is displayed at the top of the screen.

Symbol input (SYM mode)

This feature enable(s you to insert symbols in a text message.

This feature enables you to insert symbols in a text message.

- Use the navigation keys to scroll to the desired symbol.
- Press [1~8]key to select one of them.
- Press [*] to confirm the first candidate.

Data Format

Idle Mode	Month:1~9,10,11,12 Day(DD) :1~9,10,31 12/25(Su) 10:30A ————— A:AM/ P:PM Min(MM):00~09,10~59 Hour(HH):0~9,10,11,12 A day of the week
Schedule / Anniversary / Alarm	00:00am ————— am:AM / pm:PM Min : Enter Min from 00 to 59 Hour : Enter hour from 01 to 12
Anniversary / To do	0000/00/00 Day :Enter Day from 01 to 12 Month :Enter Month from 01 to 12 Year :Enter 1890 to 2040
Stopwatch	00:00:00 ————— Millisecond Second Minute
World Time	Maxico City ————— 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	59 x 53 x 22.5 mm
Weight	75 g(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.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

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

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

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

FCC Compliance Information

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

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

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

This device was tested for typical body-worn operations with the back of the phone kept 15 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 15 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR INFORMATION

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

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **1.47 W/Kg** and when worn on the body, as described in this user guide, is **0.357 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: R5WNGTC650**. 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.