



Welcome!!

Thank you for choosing **C1500** 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 use the cell phone

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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.

[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.

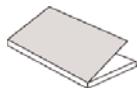
Package contents



Transceiver



Battery



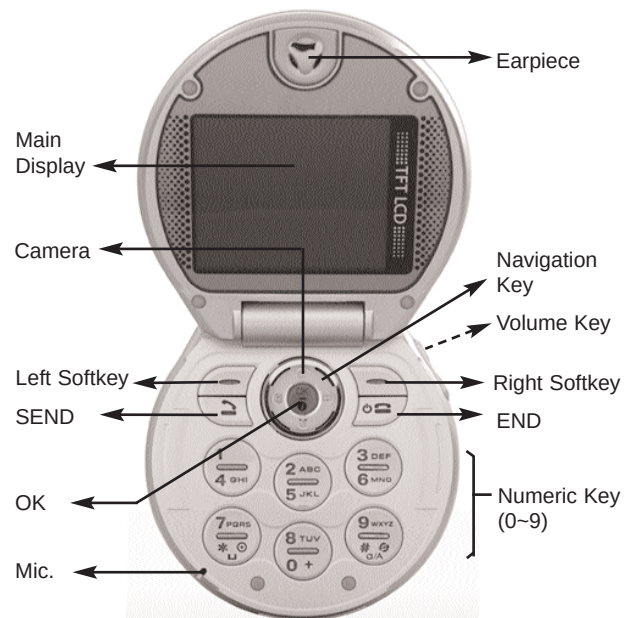
User Manual



Charger

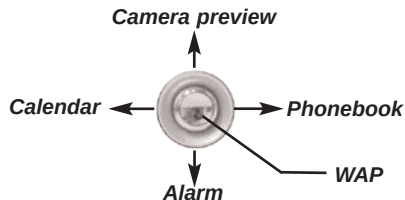
* The picture is possible and the actual product has the discrepancy.

Phone overview



Quick access menu

In Idle mode , you can have quick access to the following menu by pressing the joy stick in the direction as shown .



Display

[Main LCD]



Status icon

Displays various icons.

Text and graphic

Idle banner

Time & Date

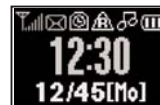
Soft key

Indicators shows the current functions assigned to the soft keys.

[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.



Status icon

Text

Key definition

Key	Function
	[SEND Key] Makes or answers a call. In idle mode, accesses the Call list .
	[END Key] Ends a call. Hold down to switch the phone on and off.
	[Soft Key : Left] In menu mode, perform various functions according to the viewing menu. In idle mode, connects to Main menu .
	[Soft Key : Right] In Menu mode, perform various functions according to the viewing menu. In idle mode, connects to Message (SMS,MMS).
	[OK Key] In menu mode, selects the menu. In idle mode, connects to WAP browser directly. In camera mode, takes a photo or starts recording a video.
	[Side volume key] Adjusts the phone volume. In menu mode, scrolls through the menu. In Idle mode, with the phone open, adjusts the keypad tone volume.

Key	Function
	[Navigation Key : Up] In menu mode, scrolls the menu up. In idle mode, accesses the Camera preview .
	[Navigation Key : Down] In menu mode, scrolls down the menu In idle mode, accesses the Alarm directly.
	[Navigation Key : Left] In menu mode, scrolls the menu left. In edit mode, the cursor moves to left side. In idle mode, accesses Calendar directly.
	[Navigation Key : Right] In menu mode, scrolls the menu right. In edit mode, the cursor moves to right side. Idle mode, accesses Phone book list directly
	[Numeric Key] Enters numbers and letters.
	[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> '

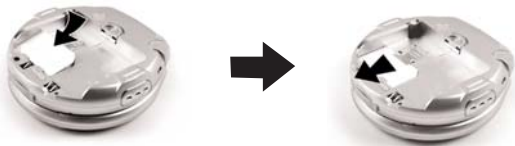
Icon	Function
	[Car mode] Appears when you set the ' <i>Car mode</i> '
	[Message] Appears when you have new or unread messages
	[Voice Message] Appears when you have new or unchecked voice messages
	[MMS Message] Appears when you have new or unchecked multimedia messages
	[Alarm] Appears when you set the <i>Alarm</i> and on
	[Roam] Indicates that you are roaming on another network
	[Data/WAP] Indicates that the phone is accessing the <i>WAP</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.

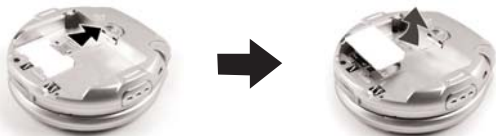
1. Installing SIM card

- (1) Insert the SIM card into the holder.
- (2) Make sure that the SIM card is inserted properly and that the gold contact area on the card is facing downwards.



2. Removing SIM card

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



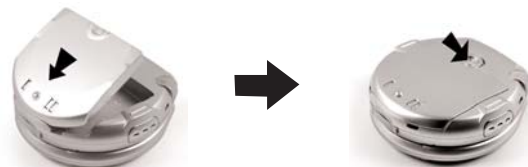
* Caution!

Information stored in the SIM card can be damaged by scratches, water, dirt or static electricity, so be careful when handling, inserting or removing the card.

Installing and Removing battery

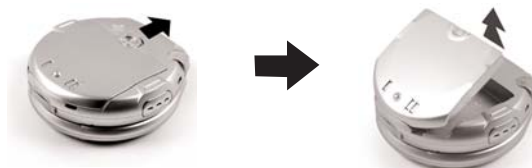
1. Installing the battery

- (1) Position the lugs on the bottom of the battery into the retaining holder.
- (2) Then, push the top half of the battery into position until the latch clicks.



2. Removing the battery

- (1) Press the battery release latch up and remove the battery from the phone.



* Note :

Make sure the power is off before you remove the battery. Removing the battery from the phone when the power is on may cause the phone to malfunction

Charging the battery

The battery pack is not fully charged when purchased. Fully charge it for 8 hours the first time before using. Unplug the charger when not in use.



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.

* **Hint**

Insert a charger after the connector cover turn sideways, and you will be able to charge easily .

* **Note**

- When the battery is weak, an empty battery icon flashes, you hear a warning tone.
- The phone can be used while the battery is being charged, but it causes the battery to charge more slowly.
- Because of safety reason, when the temperature of battery is over the safety value, battery will be protected, handset does not charge the battery. When the temperature of battery is come back to normal, handset will charge the battery again.

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

Your 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 dial Keys

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

2. Making a call from the Phone book

Once you have stored a number in Phonebook, you can dial the number by selecting it from Phonebook .

3. Making a call using the call list

In idle mode, press the [SEND] key, and the latest outgoing phone number will be displayed.

Select the desired number, press [SEND].

4. Making an international call

In idle mode, press and hold the [0]key for the international prefix. The '+' character automatically selects the international access code. Enter the country code, area code and the phone number then press [SEND].

5. Using Turbo Dial

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

(Example)

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

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

Answering call

When you receive a call, the phone rings and the flashing phone icon appears on the screen. If the caller can be identified the caller's phone number (or name if saved in the phone book) is displayed. To answer an incoming call, press [SEND]key.

* **Note** : If answer option has been set as other option, please see the 'Answer option' on the [Phone set].

* **Note** : Enter your PIN code to unlock before answering an incoming call if your phone is PIN code protected.

* **Note** : To reject an incoming call, close the phone or press [END].

Missed a call

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

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

* **Note** : If the **[Auto redial]** has been set, your phone turn the automatic redialing to the unsuccessful call number.

In call menu

You may access different In-call options during your conversation by simply selecting [Menu] using the [Left softkey]. The available selection will depend on the stage of call, the settings and type of SIM card as well as subscription of network services.

Phone book

This option displays the Phone book menu.

1. Press [Menu]
2. Select [Phone book] and press [OK].
3. Scroll to the desired item and press [OK].

All the phonebook functions are displayed.
See *Phone book* for more details.

Message

This option displays the Message menu.

1. Press [Menu].
2. Select [Message] and press [OK].
3. Scroll the desired item and press [OK].

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.

Hold/ Unhold

You can put a current call on hold and accept an incoming call, or start a second call. This means that both you and the other party will hear a holding tone.

During the call, Press [Menu] then 'Hold'.

The words 'Call hold' will appear on the call screen.

To resume the call, press [Menu], then press 'Unhold'.

The call will resume.

Incoming call while in call

If supported by the service provider, you can accept a second call while in a call.

1. During a call, press [ANS].
2. Select 'Hold & Ans', then press [OK] .
To return to the first call, press 'Switch'.

1. When there is an incoming call, press [SEND] to enter into Answer mode.(select 'Reject' to reject the incoming call)
2. It has 'Drop & Answer / Hold & Answer/ Reject' options. Select 'Hold & Answer', the screen will display both 'In call' and 'Held call'.

Active call and call on hold**Switch**

This allows you to switch between an active call and a call on hold.

Press [Menu], then press 'Switch'.

The active call will be put on hold and the call on hold will become the active call.

Join

This allows the call on hold to join the conversation.

Press [Menu], then press 'Join'.

Now all three parties are in the teleconference.

Transfer

This allows you to transfer the active call to the call on hold. Press [Menu] and then press 'Transfer'.

Now, you will be disconnected from these calls automatically.

The active call party and the party on hold will be able to talk to each other.

* During a call, press [End : 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.

Hold & Switch

Switch between the active call and the held call.

1. When there is an incoming call, press [SEND] to enter into Answer mode.
(If you select '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].

During a teleconference

Split

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

1. During a conference call, press select [Menu] and then press 'Split'.
 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.

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 [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 'Save' of "Call list" .

Overview of main menu

Phone book

- 1 Phone book
- 2 Group edit
- 3 Turbo set
- 4 Memory status
- 5 My number
- 6 My profile

Call logs

- 1 Dialed call
- 2 Answered call
- 3 Missed call
- 4 Call time

Camera

- 1 Shooting
- 2 Album
- 3 Photo editor
- 4 Setting
- 5 Memory

Setting

- 1 Sound
- 2 Display
- 3 Phone set
- 4 Security set
- 5 Network set
- 6 Net Account

Data folder

- 1 Download
- 2 Photo
- 3 Video
- 4 Avatar
- 5 Melody

Scheduler

- 1 Schedule
- 2 To do
- 3 Memo
- 4 Anniversary
- 5 Auto On/Off

Entertainment

- 1 Game
- 2 Avatar

Utilities

- 1 Album
- 2 Calculator
- 3 World time
- 4 Stopwatch
- 5 Currency

STK

Phone Book

You can save names and phone numbers (Contacts) in the memory of your SIM card or your phone. The memory of SIM card & phone are physically separate, but they are used as a single entity called Phonebook. You can store up to 300 numbers in your phone. SIM card memory size depends on your SIM card capability.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
 - (2) Scroll to [1.Phone book] then press [OK].
- * **Tip** : Press [1]key for shortcut

By Shortcut

In idle mode, press [Right-navigation key].

Phone book
Storing a number..

- (1) In idle mode, enter a phone number then press [Save].
- (2) Select the storage memory, either [SIM] or [Phone] then press the [Save].
- (3) If you necessary, enter detail content then press [Save].

* **Tip** : You can also save phone numbers through the 'New entry' of "Phone book" or 'Save' of "Call list".

*** Included detail of [Phone book] :**

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

*For reference..

In case of phone stored over 300 phone numbers,
your phone requires a little time during loading
information of phone memory

*** 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 [Message])
- (3) Send a MMS : Sends the message(MMS) to selected number. (*Refer to the [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 item

- (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, 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.

*** About the [Edit]**

(The following options are available)

- (1) Rename : Write a new 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 by using turbo dial

* 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 press and hold the last key

Memory status

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

My number

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

My profile

It shows information entered by you.

*** Included detail of [My profile] :**

- (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 : Enter 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 this menu by pressing [SEND] key then call list will appear.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
 - (2) Scroll to [2.Call logs] then press [OK].
- * **Tip** : Press [2] key for shortcut

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.

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.

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.

* About the [Edit] of call options

(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.

Call time

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

- * 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

This phone allows you to take photos & record videos with the phone's built-in camera and adjust its settings. The camera lens is at the back of the phone and the display of the phone works as a viewfinder. Photos taken are in jpeg format and they could be sent as a MMS, attached as a photo identification to caller as well as a wallpaper for your phone.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
 - (2) Scroll to [3.Camera] then press [OK].
- * **Tip** : Press [3]key for shortcut

* Camera preview mode

You can edit your photo or video with the following options at the preview stage. To select these options simply move the [Navigation]key up and down to scroll through the available options and left, right to select your desired effect

- A. Zoom** : Adjust the zoom of the picture as appropriate.
- Right : Zoom in
 - Left : Zoom out
- B. Bright** : Adjust the brightness of the picture as appropriate
- Right : More bright.
 - Left : More darker.
- C. Effect** : Select the effect of your desired picture by moving [Navigation]key left or right.

- D. Frame** : Select the frame of your desired picture by moving [Navigation]key left or right. (**Note** : Frame function is not supported during Serial and Video shot mode)

Shooting

You can take a picture or record a video clip with this option.

[1] Photo shot

When the preview setting is on, you press [shot], then you can save the photo.

* About the [Menu]

(The following options are available)

By pressing [Menu], define the following options before your photo shoot

- (1) Self timer : Automatically takes a photo after specified time. Select either 5 sec / 7 sec / 9 sec / 12 sec / 15sec and press [OK]
- (2) Mode : Select from Auto / Sunny / Cloudy / Fluorescent / Tungsten and press [OK]
- (3) Size : Select the image capture resolution. Choose from the following resolution 160x120, 176x144, 320x240, 640x480 and press [OK]
- (4) Quality : Select how much the photo file will be compressed when saving the image. Choose either High / Mid / Low and press [OK].

To take a photo..

Press [Shot] to shoot once you are satisfied with the image that appears on the display.

To save the photo..

- (1) Press [Save]
- (2) Label your photo and press [Done]

[2] Serial Shot

This features allows you to take multiple sequential photos at a click.

*** About the [Menu]**

(The following options are available)

By pressing [Menu], define the following options before your photo shoot

- (1) Serial counter : Defines the number of photo shot per click.
Select either 3 times / 5 times / 7 times / 9 times and press [OK]
- (2) Self timer : Automatically takes a photo after specified time.
Select either 5 sec/ 7 sec / 9 sec / 12 sec / 15sec and press [OK]
- (3) Mode : Select from Auto / Sunny / Cloudy / Fluorescent / Tungsten and press [OK]
- (4) Size : Select the image capture resolution. Choose from the following resolution 160x120, 176x144, 320x240, 640x480 and press [OK]
- (5) Quality : Select how much the photo file will be compressed when saving the image. Choose either High / Mid / Low and press [OK]

To take a burst shot..

Press [Shot] to shoot once you are satisfied with the image that appears on the display.

To save the burst shot..

- (1) Press [save]
- (2) Label your photo and press [Done]

[3] Video Shot

Video shooting allows you to record short video clips.
Default video resolution is preset to 160x120.

*** About the [Menu]**

(The following options are available)

Define the following options before your video shot by pressing pressing [Menu]

- (1) Self timer : Automatically takes a video after specified time.
Select either 5 sec/ 7 sec / 9 sec / 12 sec / 15sec and press [OK]
- (2) Mode : Select from Auto / Sunny / Cloudy / Fluorescent / Halogen / Darkness and press [OK]
- (3) Size : Select the image capture resolution. Choose from the following resolution 176x144, 352x288 and press [OK]
- (4) Quality : Select how much the video file will be compressed when saving the image. Choose either High / Mid / Low and press [OK]

To record the video..

Press [Video] to record your satisfied image and press [Stop].

To save the video..

- (1) Press [Save]
- (2) Label your photo and press [Done]

Album

This feature enables you to manage your photos and images.

[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) Large view : Shows the photos as large images.
Album view : Shows the photos as thumbnail images.
In this mode, use upper/lower navigation key to scroll through the photos .
- (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 add your desired effect to your photos. When you enter into photo editor, menu bar is in active state while toolbar is inactive state.

*** Included detail of [Photo editor] :**

-  **Photo Open** : Open up to [Photo album] where you can select your desired photo.
-  **Photo Shot** : Open up to [Photo Preview] mode for you to take your photo.
-  **Photo Toolbar** : Open the [Photo Toolbar] folder for adding your desired effect to the photo.
-  **Photo Exit** : Return to the previous menu.
-  **Frame** : Add or edit the frame of your photo by moving the [Navigation]key up or down.

 **Filter** : Add or edit the desired effect to your photo by moving the [Navigation]key up or down.
Choose from the following : Normal / Mono / Sepia / Moon / Fog / Negative

 **Text** : Add or edit the text to your photo by pressing [OK] for edit. Adds your text message and press [OK] when done.

Setting

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

[1] Shutter sound

Define shutter sound.
Choose from the following : Shutter 1 / Shutter 2 / Shutter 3 / English Shutter, then press [OK].

[2] Image size

Select the image resolution.
Choose from the following : 160x120, 176x144, 320x240, 640x480, then press [OK]

[3] Quality

Select how much the photo file will be compressed when saving the image.
Choose from the following : High / Mid / Low and press [OK].

[4] Serial count

Define the number of phot shot per click.
Choose from the following : 3 times / 5 times / 7 times / 9 times and press [OK]

[5] Display mode

Define if information on the photo will be displayed on screen
Select [On] to display information on screen and [Off] if you do not want to see the information and press [OK]

[6] 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.

Setting

Sound

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

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [4.Setting] then press [OK].
* **Tip** : Press [4]key for shortcut
- (3) Scroll to [1.Sound] then press [OK].
* **Tip** : Press [1]key for shortcut

[1] Sound

Select your desired ringer tone for incoming calls. Scroll the [Navigation]key through the list to hear the melodies and select [OK] when you decide.
By shifting the [Navigation]key to the Left or Right side, move to the different melody types

[2] 3D effect

Enables you to set the 3D sound effects in your phone.

[3] Adjust Volume

Select the volume for keypad, earpiece and Bell by shifting the [Navigation]key to the Left or Right side.
Choose from level 1 to 5 by moving up or down [Navigation] key and press [Save].

[4] Ringer type

Select the ringing method of your incoming calls and messages and press [OK].

<i>Ringer type</i>	
Bell	Ringer melody only
Vibrator	Vibration only
Vib. -> Bell	Vibrate before ringer melody
Vib. + Bell	Vibrate and ringer melody set off simultaneously
Sliding bell	Accelerating ringer volume

[5] Alert tone

Enable or disable various alert tone with this option

<i>Alert Tone</i>	<i>Type Description</i>
Connection	Alert when a call is connected
Out of SVC	Alert when the phone is out of service range
1 min alert	Alert 10sec before call time reaches 1 minute
Confirm	Alert when an item is confirmed
Power on	Alert during powered on
Power off	Alert during powered off

[6] Key tone

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

* **Tip** : Battery consumption will be heavier if keytone 1 -3 is selected.

[7] Message tone

Enables you to select the message alert tone.

Choose from the following : 1.Msg. Tone 1 / 2. Msg. Tone 2 / 3.Msg. Tone 3 / 4. Msg. Tone 4 / 5. Msg. Tone 5 / 6. Off then press [OK].

Display

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

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [4.Setting] then press [OK].
 - * **Tip** : Press [4]key for shortcut
- (3) Scroll to [2.Display] then press [OK].
 - * **Tip** : Press [2]key for shortcut

[1] Set Graphic

Select your desired graphics for the Main LCD and Sub LCD screen by shifting the [Navigation]key to the Left or Right side. To scroll through the desired image, press the Up or Down [Navigation]key, then press [OK].

[2] Backlight

Select the backlight for the LCD as well as keypad

(1)LCD

Choose from the following : Normal / Save mode 1 / Save mode 2 then press [OK].

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

Set the keypad backlight duration. Choose from the following : / For 5 sec / For 10 sec / Always off, then press [OK].

* **Tip** : Always off is the most power efficient option

[3] Idle banner

Key in the message that you will like to appear on the idle screen and press [OK] when done

[4] Color pattern

You can select your preferred colour scheme to some of the display components such as title bar or scroll bar.

2 colour patterns available for selection, press [OK] to confirm choice.

Phone set

This part illustrates different phone settings to suit your preferences.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [4.Setting] then press [OK].
* **Tip** : Press [4]key for shortcut
- (3) Scroll to [3.Phone set] then press [OK].
* **Tip** : Press [3]key for shortcut

[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

Select and customize your phone tones for different events and environments. Press [OK] to confirm your desired mode and [Chng] to change the various phone mode tone settings.
5 Phone modes to choose from ;

	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	

* **Note** : The default mode of this phone is set to Normal and customization is defined as like table.

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

* **Tip** : When your phone is in its idle mode, press and hold [#] key to access [Phone mode] direct.

[3] Time and Date

Set the time and date display on your phone.

(1)Select mode : Define your time and date display mode and press [OK] to confirm.

- Home : Display local time and sate
- Dual : Display both local and other region's time and date
- None : Do not show both time and date.

(2)Time & Date : Set the correct date and time to both local and other region. Press [OK] when done

[4] Time format

Select your preferred time and date format.

(1)Time Format : Choose either 12-hour or 24-hour time format then press [OK] when done.

(2)Date Format : Select the following date format and press [OK] to confirm.

YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY

[5] Answer option

Define your preferred way to answer an incoming call and press [OK] to confirm.

- (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 answer : Answer the incoming call by pressing any Key, except [END].
- (3) Send key answer : Only answer the incoming call by pressing [SEND]

[6] Auto redial

Choose if you will like your phone to make a automatic redial with every unsuccessful attempt. Press [OK] upon selection.

- (1) On : The last phone number will be redialed automatically
- (2) Off : The last phone number will not be redialed

[7] Data mode

Select if you will like to enable or disable the date mode. Press [OK] to confirm

[8] GPRS Set

Set the phone to automatically or manually register to a GPRS network. Press [OK] to confirm selection.

- (1) Auto : The phone will automatically scan for GPRS network where.

- (2) Manual : The phone will search for GPRS network when an application using GPRS needs it and closed when you end the application.

Security set

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

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [4.Setting] then press [OK].
* **Tip** : Press [4]key for shortcut
- (3) Scroll to [4.Security set] then press [OK].
* **Tip** : Press [4]key for shortcut

[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

(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.

*** Note :**

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.

*** Note :**

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.

*** Note :**

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"

[7] 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.

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. For details, please contact your service provider.

- (1) Divert always : All calls are diverted.
- (2) On busy : Calls are diverted if you are currently on another call.
- (3) No reply : Calls are diverted if you have not answered the call.
- (4) Unreachable : Calls are diverted if you are not in an area covered by your service provider.
- (5) Cancel : All call diverting options are cancelled.

[2] Call barring

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

- (1) All outgoing : All calls cannot be made.
- (2) Int'l Call : International calls cannot be made.
- (3) 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.
- (4) All incoming : All calls cannot be received.
- (5) In.AtAbroad : Calls cannot be received when you use your phone outside of your home service area.
- (6) Cancel all : All call barring settings are deactivated.
- (7) 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) Check status : Checking the status of the service.
- (2) Enable : Activating the corresponding service.
- (3) Disable : Deactivating the corresponding service.

[4] Caller ID

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

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

[5] Network setup

- (1) Search type
User can select available network. (Automatic / Manual).
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 : Show the network which it prefers

- (3) 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 : 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 : You 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-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.

Data folder

Download

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.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
 - (2) Scroll to [5.Data folder] then press [OK].
- * **Tip** : Press [5] key for shortcut

[1] Image

This menu displays photos you have taken and images downloaded or received through the WAP browser.

* About the [Menu]

(The following options are available)

- (1) Send a MMS : Insert the selected image into your MMS.
- (2) Set as Wallpaper : Set the selected image as wallpaper.
- (3) Rename : Write a new name
- (4) Detail : Display detail information a selected file.
You can see the clip title, format, size or date
- (5) Delete : Delete a selected image.
- (6) Delete all : Delete all of image.

[2] Sound

This menu displays the sound files you have recorded, downloaded, or received through the WAP browser.

*** About the [Menu]**

(The following options are available)

- (1) Send a MMS : Insert the selected sound into your MMS.
- (2) Set as Ring : Set the selected sound as your ringer tone.
- (3) Rename : Write a new name
- (4) Detail : Display detail information a selected file.
You can see the clip title, format, size or date
- (5) Delete : Delete a selected sound.
- (6) Delete all : Delete all of sound.

[3] Others

This menu displays the other files you have recorded, downloaded, or received through the WAP browser.

*** About the [Menu]**

(The following options are available)

- (1) Send a MMS : Insert the selected file into your MMS.
- (2) Set as Wallpaper(or Ring) : Set the selected file as your wallpaper or ringer tone.
- (3) Rename : Write a new name
- (4) Detail : Display detail information a selected file.
You can see the clip title, format, size or date
- (5) Delete : Delete a selected file.
- (6) Delete all : Delete all of file.

Photo

Use this menu to access a list of photos you have taken.

*** 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 upper/lower navigation key to scroll through the photos .
- (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) Set as Wallpaper : Set the selected file as your wallpaper
- (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.

Video

Use this menu to access a list of videos you have recorded.

*** 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.

Avatar

Use this menu to access a list of avatars you have recorded.

* About the [Menu]

(The following options are available)

- (1) Send a MMS : Insert the selected file into your MMS.
- (2) Set as Wallpaper : Set the selected Avatar as your wallpaper.
- (3) Delete : Delete a selected file.
- (4) Delete all : Delete all of file.
- (5) Rename : Write a new name

Picture

Shows the list of EMS picture which is stored in your phone.

* Included [Menu] of Picture :

- (1) Set as Wallpaper : Set the selected picture as your wallpaper.
- (2) Delete : Delete a selected picture.

* About the [Menu]

(The following options are available)

- (1) Display : Set the selected picture as your wallpaper or delete it.
- (2) Rename : Change the name of the selected picture.
- (3) Send a MSG : Send a selected picture via message.
- (4) Set as wallpaper: Set the selected picture as your wallpaper
- (5) Delete : Delete the selected picture.
- (6) Delete all : Delete all pictures saved in your phone

Melody

Shows the list of melody which you have stored.

Uses a number keys compose the new melody you desired, then press [Save].

* About the [Menu]

(The following options are available)

- (1) Add : Add a compose new melody.
- (2) Ring Tone Play : Listen to a selected melody.
- (3) Rename : Change the name of the selected melody.
- (4) Send a MSG : Send a selected picture via message.
- (5) Set ringtone : Set the selected melody as a ring tone.
- (6) Delete : Delete the selected melody.
- (7) Delete all : Delete all melodies saved in your phone.

Scheduler

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

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [6.Scheduler] then press [OK].

* **Tip** : Press [6]key for shortcut

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.

* Included detail of [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
Choose from the following : On time, Before 1H(1hour), Before 1 D(Day), Off.
- (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)

- (1) Add : Enables to enter a new schedule.
- (2) Delete : Deletes the selected schedule after confirmation.

* **Note** : At the calendar mode, you may delete all your schedule by pressing [Menu-Delete all] and press [OK] to confirm.

By Shortcut

In idle mode, press [Left-navigation key]

To do

Use this menu to display tasks you have created. You can enter up to 32 English characters.

* Included detail of [To do] :

- (1) Due date : Enters the due date.
- (2) Priority : Selects the high, normal or low priority using the navigation key.
- (3) Status : Marks on task completed or not completed.

Memo

Use this menu to create memos and view memos you have stored. You can enter up to 80 English characters.

*** About the [Menu]**

(The following options are available)

- (1) Add : Enables you to enter a new memo.
- (2) Delete : Deletes the selected memo after confirmation.
- (3) Delete all : Deletes all the memos after confirmation.

Anniversary

This menu displays anniversaries you have created.

*** Included detail of [Anniversary] :**

- (1) Name: Enter the name.
- (2) Solar/Lunar: Select solar or lunar.
- (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 1D(Day), Before 2D(day) or Off'.
- (7) Alert Ring : Change the alert ring tone, press [Chng].

*** About the [Menu]**

(The following options are available)

- (1) Add: Enables you to enter a new anniversary.
- (2) Delete : Deletes the selected anniversary after confirmation
- (3) Delete all : Deletes all the anniversaries after confirmation

Auto On / Off

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

Entertainment

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [7.Entertainment] then press [OK].
- * **Tip** : Press [7]key for shortcut

Game

1. Cargador

- 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.

* **Tip** : Using the side keys, you can adjust the game sound while you are playing the game.

2. Blackjack

- 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

* **Tip** : Using the side key, you can adjust the game sound while you are playing the game.

Avatar

The Avatar folder allows you to view and use the Avatar characters that you have created.

* About the [Menu]

(The following options are available)

- (1) Add : Add a new avatar item.
- (2) Send MMS : Insert the selected Avatar into your MMS.
- (3) Set as Wallpaper : Set the selected image as wallpaper.
- (4) Delete : Delete the selected Avatar.
- (5) Delete all : Delete all Avatar saved in your phone
- (6) Rename : Write a new name

* Making a Avatar

- (1) Enter Avatar.
- (2) Selects the item category by using the stylus pen
(Hair / Face / Eyes / Mouth / Jacket / Pants / Extra)
- (3) Selects the sub-item by rotating the jog switch
- (4) Press [Save].
- (5) Enters the name, then press [Done].

Utilities

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
- (2) Scroll to [8.Utilities] then press [OK].
- * **Tip** : Press [8]key for shortcut

Alarm

Use this menu to set alarms to ring at a specific time.

* Included detail of [Alarm] :

- (1) Select period :Specified your alarm pattern.
You may select from the following options : Off / One time / Mon~Fri / Everyday. Press [OK] to confirm.
- (2) Alarm time : Key in the alarm time.
- (3) Alarm bell : Change the alarm tone by pressing the [Chng] to select change. You can listen to the melodies by scrolling up down using [Joy stick], then press [OK] to confirm selection. And changes a different melody type by using [Joy stick - Right or Left]

Calculator

Use this menu to perform basic arithmetic functions such as addition, subtraction, multiplication, and division.

World time

Use this menu to find out what time it is in another part of the world .

Stopwatch

Use this menu to measure elapsed time. The accuracy can reach to 0.1 seconds.

* Included detail of [stopwatch] :

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

Currency

Use this menu, you can calculate the exchange rates.

* Included detail of [currency] :

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

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.

To access this menu..

- (1) In idle mode, press [Main] to access the main menu.
 - (2) Scroll to [9.STK] then press [OK].
- * **Tip** : Press [9]key for shortcut

WAP(Internet SVC)

The Wireless Application Protocol (WAP) browser on your phone allows you to access the wireless web. Using the WAP browser, you can access updated information and a wide variety of media content, such as wallpapers, ring tones, and etc.

To access this menu..

In idle mode, press [OK] to access WAP directly.

[1] PROFILE1

Use this menu to connect your phone to the network.

[2] Bookmarks

Use this menu to save URL addresses to quickly access a website.

[3] Recent Pages

List down the recent visited WAP pages

[4] Enter Address

Use this menu to manually enter the URL address of a website and access the website.

[5] Push message

Allow you to receive service messages (pushed messages) sent by your service providers.

Message

[6] Settings

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

(1) Option :

- Refresh : Turn on / off the refresh function .
- Show Images : Select always / never display images while browsing.
- Show Movies : Select always / never display movies while browsing.
- Play Sounds : Select always/ never play sound while browsing.
- Load Objects : Select always / never play object while browsing.

(2) Cache : Memory location that is used to store data temporarily.

- Cache Mode : Select if you will like to have information or services stored in the cache of your phone.
- Clear Cache : Empty the cache.

(3) Cookies : Data that a site saves in your phone's browser cache memory

- Enable Cookies : Select if you allow or prevent phone from receiving cookies
- Clear Cookies : Empty the cookies.

(4) Push Settings : Select if you will like to enable or disabled push message.

(5) Clear Recent Pages : Delete memory on all recent visited WAP pages.

Use the Messages menu to send and receive short messages, multimedia messages, and e-mails. You can also use WAP push message and Cell broadcast message features.

To access this menu..

In idle mode, press [] to access the SMS or MMS.

SMS

Short Message Service (SMS) allows you to send or receive text messages including pictures, audio clips, and animated images.

[1] New message

You can write and send a text message.

* Included detail of [New message] :

(1) To :

Press [Edit] to select message recipients. You can either key in the recipient's number or use [PHbook] to select recipients from your phonebook. You can send a message to a maximum of 5 recipient's simultaneously.

(2) Message :

Enter your message by pressing [Edit] for edit. Key in your message content and press [Done].

* About the [Menu]

(The following options are available)

- (1) Input method : Define your text input selection.
Choose : eZi, abc, 123 or Symbol then press [OK].
- (2) Language : Define your language selection.
- (3) Insert Media : Add the following media to your message.
Choose : Picture, Melody, Sound or Animation
- (4) Exit : Exit the menu

(3) Send :

To send simply press [Send] to send out the message.

[2] Inbox

When you receive a new message, alert tone beeps and new message icon appears. 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 : Reply to the sender.
- (2) Forward : Forward the message to new recipients.
- (3) Copy to SIM/Phone : Copy message to the phone memory or vice versa.
- (4) Delete : Delete the selected message.
- (5) Delete all : Deletes all inbox messages.
- (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 or save email address, respectively.

In a SMS..

(The following options are available)

- (1) Reply : Reply to the sender.
- (2) Forward : Forward the message to new recipients.
- (3) Delete : Delete the selected message
- (4) Cut number : Use the sender's phone number to call, extract to Phonebook memory, or send a message.

* **Note** : EMS messages

EMS Inbox menu options :

- (1) Reply : Reply to the sender.
- (2) Forward : Forward the message to new recipients.
- (3) Delete : Delete the selected message.
- (4) Delete all : Deletes all inbox messages.

In an EMS..

(The following options are available)

- (1) Reply : Reply to the sender.
- (2) Forward : Forward the message to new recipients.
- (3) Delete : Delete the selected message.
- (4) Cut number : Use the sender's phone number to call, extract to Phonebook memory, or send a message.

[3] Outbox

The phone saves outgoing messages in the outbox folder.

* About the [Menu]

(The following options are available)

- (1) Forward : Forward the message to new recipients.
- (2) Delete : Delete the selected message.

- (3) Delete all : Deletes all outbox messages.
- (4) Send Only : Send back the selected message to the sender
- (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 or save email address, respectively.

In a SMS..

(The following options are available)

- (1) Forward : Forward the message to new recipients.
- (2) Delete : Delete the selected message
- (3) Cut number : Use the sender's phone number to call, extract to Phonebook memory, or send a message.

[4] Draft

The phone saves messages that you will like to send later in the Drafts folder

*** About the [Menu]**

(The following options are available)

- (1) Forward : Forward the message to new recipients.
- (2) Delete : Delete the selected message.
- (3) Delete all : Deletes all outbox messages.
- (4) Send only : Send back the selected message to the sender.
- (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 or save email address, respectively.

In a Draft..

(The following options are available)

- (1) Forward : Forward the draft to new recipients.
- (2) Delete : Delete the selected draft
- (3) Cut number : Use the sender's phone number to call, extract to Phonebook memory, or send a message.

[5] Quick text

The phone saves all frequently used text templates in quick text folder. To access quick text ..

*** About the [Menu]**

(The following options are available)

- (1) Edit : Edit the selected preset message
- (2) Send : Send the selected preset message

[6] Voice mail

Voice mail is a network service and you may need to subscribe to it. For more information and for the voice mailbox number, contact your service provider. Voice mail message icon indicates new voice mail.

- (1) Number : Enter Voice mail center number
- (2) Listen : Listen to your voice mail.

[7] Broadcast

Broadcast enables you to receive broadcast messages on general information such as weather or traffic etc. For more information on broadcasting, contact your service provider.

- (1) **Inbox** : Receive incoming broadcast messages
- (2) **Option** : Select to turn on /off broadcast message.
- (3) **Set language** : Define your preferred broadcast message language
- (4) **Channel list** : Define the channel that you will like to receive broadcast message

[8] Setting

The message settings affect the sending, receiving and viewing of messages.

(1) Service Center :

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 :

Set the length of the time for which your messages are stored at the message center while attempts to deliver them. Select from the following : 1 hour, 6 hours, 12 hours, 24 hours, 72 hours, 1 week, Maximum.

(3) Message type :

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

(4) Status report :

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 :

Select the incoming message alert frequency. Choose from : One time, Every 2 min, Off

[9] Memory status

Memory status displays message capacity in your phone or SIM card. When 'Memory is full' message appears, you will not be able to save any more new message till you have deleted some of the older messages.

MMS

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, video, and audio, from phone to phone

[1] Multimedia

* Included detail of [MSG editor] :

- (1) **To**[

- (2) **Cc**[] : Copy the message to other recipients. You may input a recipient's number or email address by pressing [Edit] for edit, then key in the recipient's number or email address. Alternatively you can insert contact from your Phone book by scrolling through the entries and press [OK] to select.
- (3) **Subject**[] : Insert a title to your message.
- (4) **Options**[] : Define the following parameters of your message
 - Validity period : Set the length of the time for which your messages are stored at the message center while attempts to deliver them. Select from the following : 1 hour, 12 hours, 1 Day, 1 week or Max
 - Read report : Select if you want to receive an acknowledgement report upon recipient's view of the message.
 - Delivery report : Select if you want to receive the delivery status report of your message.
 - Priority : Set the priority of this message as either Low, Normal, High
- (5) **Edit content**[] : Enter your message content by selecting [OK]. Define your input sequence as
 - Split-Text&Image : Insert an image after text message
 - Split-Image&Text : Input text message after inserting an image.

[2] Inbox

The phone saves the multimedia messages that have been received in the Inbox folder of the MMS submenu.

* About the [Menu]

(The following options are available)

- (1) View : Read the received MMS.
- (2) Reply : Reply only to the sender.
- (3) Reply to all : Reply to all recipients and sender.
- (4) Forward : Forward the MMS to new recipients.
- (5) Delete : Delete the selected MMS.
- (6) Delete all : Deletes all inbox MMS.
- (7) Refresh : Refresh the selected MMS.
- (8) Back : Return to previous screen

In an MMS, the following options are available:

- (1) Play : Play your selected MMS.
- (2) Rewind : Replay the selected MMS
- (3) Previous page : Return to previous page.
- (4) Next page : Move to the next page.
- (5) Save image : Save the image to your phone memory.
- (6) Close : Close the selected MMS.

[3] Outbox

The phone saves the multimedia messages that have been sent in the Outbox folder of the MMS submenu.

* About the [Menu]

(The following options are available)

- (1) View : Read the sent MMS.
- (2) Edit message : Edit the selected MMS with MSG editor
- (3) Delete : Delete the selected MMS.
- (4) Delete all : Deletes all outbox MMS.
- (5) Send : Forward / Resend the selected MMS.

- (6) Refresh : Refresh the selected MMS.
- (7) Back : Return to previous screen.

[4] Drafts

The phone saves the multimedia messages that you will like to send later in the Drafts folder of the MMS submenu.

* About the [Menu]

(The following options are available)

- (1) View : Read the draft.
- (2) Edit message : Edit the selected draft with MSG editor.
- (3) Delete : Delete the selected draft.
- (4) Delete all : Deletes all outbox draft.
- (5) Send : Forward / Resend the selected draft.
- (6) Refresh : Refresh the selected draft.
- (7) Back : Return to previous screen

[5] Sent

The phone saves the multimedia messages that you will have already sent out successfully in the Sent folder of the MMS submenu.

* About the [Menu]

(The following options are available)

- (1) View : Read the sent MMS.
- (2) Edit message : Edit the selected MMS with MSG editor
- (3) Delete : Delete the selected MMS.
- (4) Delete all : Deletes all outbox MMS.

- (5) Send : Forward / Resend the selected MMS.
- (6) Refresh : Refresh the selected MMS.
- (7) Back : Return to previous screen

[6] Templates

The phone saves all frequently used text templates in the templates folder.

[7] Settings

The message settings affect the sending, receiving and viewing of MMS.

* Included detail of [Settings] :

1. **Sending** : You can define the sending parameters under this option.
 - (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. Select from the following : 1 Hour, 12 Hours, 1 Day, 1 Week or Max.
 - (2) Read report : Select if you want to receive an acknowledgement report upon recipient's view of the message.
 - (3) Delivery report : Select if you want to receive the delivery status report of your message.
 - (4) Priority : Set the priority of message as either : Low, Normal or High.
 - (5) Auto save : Select if you will turn on / off the Auto Save function.

- (6) Slide duration : Define the duration of each slide from 1 - 60 sec.
2. **Retrieval Mode** : Select to retrieve immediately or delayed.
3. **Filters** : You can set the filters to your received message type. Select from the following : Immediate limit, Treat as delayed or Max size.

*** USSD Service**

USSD is a GSM service whereby users can send service requests by entering a service code(specific short digit or characters). For more details, contact your network provider.

Battery

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 ~ 110 hours

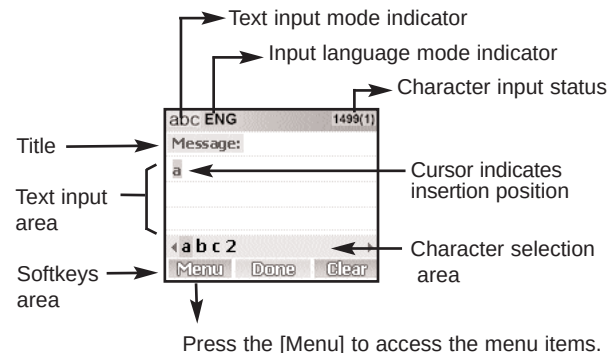
1. Battery operating time (standby and talk time) is an estimated value from normal field condition (DRX=5). Therefore the actual battery performance depends on factors including network configuration, signal strength, battery age and condition, the temperature and backlight status.
2. If the phone is out of service range, the standby time will become shorter.
3. Call received requires as much electric current as making a call.

Entering Text

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;É
- 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.

You can enter text for some features such as Message, Phone book or Scheduler, etc. using the below mode.
eZi mode(Predicative English), abc(Normal English), 123 (Numeric mode), Symbol mode.



General text input guideline

Press [Clear]

- 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

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)

- Input Method
Using this menu, you can select input text mode.
- Language
Using this menu, you can change the input languages.
Please select the language that you would like to choose.
- Insert Media : Add the following media to your message.
Choose : Picture, Melody, Sound or Animation
- Exit
Return to previous screen.

eZi (Predicative text mode)

- Using number key [2] to [9] enter the alphabets to predict words using the entered alphabets.
- Predicted words will be displayed at the character selection area.
- Scroll through these predicted words by shifting [Navigation key - Left / Right] and press [OK] to select your desired text.

abc (Normal text mode)

- Press number key [2] to [9] repeatedly until the desired character appears.
- Toggle between upper and lower case by pressing [#].

123 (Number mode)

Enter numbers only.

Press the number keys to enter the numbers you want

Symbol (Symbol mode)

Enter symbols only.

Press the number key [1] to [8] to enter the symbol you want

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 900/1900
Operating Frequency Range	EGSM 900: 880 to 915 MHz(TX) 925 to 960 MHz(RX)
	PCS 1900: 1850 to 1910 MHz(TX) 1930 to 1990 MHz(RX)
Max. Transmitting Power	EGSM 900: 33dBm(2Watt) Nominal PCS 1900 : 30dBm(1Watt) Nominal
Size (H x W x T)	65 x 64 x 23 mm
Weight	82.5 g(approx.)

* GSM : Global Systems for Mobile Communications

* EGSM : Enhanced Global Systems for Mobile Communications

* DCS : Digital Cellular System

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Memo

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DEVICES

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

.EXPOSURE TO RF ENERGY

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

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 **1.34 W/Kg** and when worn on the body, as described in this user guide, is **0.374 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: R5WNGTC1500**. 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.