User Guide

SP-770

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Information For Safe Operation

Please read the following user manual carefully to keep from injuries.

About Storage And Maintenance

Do not try to disassemble or repair the phone.
Avoid wet and damp places.
Do not use harmful detergent or harmful chemical materials to wash the phone.
Instead, use soft cloth to rub its appearance.
Do not inflict strong shock on the appliance.
The appliance shall be situated near the electronic switch for hands to reach easily when the battery is charged. Do not put the phone in high temperature environment, which may cause defects on the phone. The warranty on this phone will be invalid if it is repaired by an unauthorized person. And its maker does not take responsibility for the breakdown caused afterward.
Never extract the battery from the phone while turned on, which will cause defects on the phone.
Contact the agency you joined if the phone or its parts (charger, battery, and so on) malfunction.

Menu

1. Calls
2. Phonebook
3. Extra
4. Entertainment
5. Messages
6. Multimedia
7. Settings
8. Service
9. File Manager

Measurement Of Radio Frequency Exposed (Absorbed Special Rate Information SAR)

This phone is a communication appliance with low-output electric wave. Complying with EU standard requirements related with radio wavelength exposure, the phone has been designed and made not exceeding the energy exposure limit of the radio frequency as recommended by European Union board of directors. The limit specified above is a frequency allowable in general as a world standard.
World standard value was developed, based on thorough and regular scientific researches and estimation (examination) by an independence research institution. The limit is a standard to search for safety of all, regardless of age or present state of health.
Standard value of the phone exposure is displayed in unit of Specific absorption index (SAR).

Communication Network Service

The mobile conforms to the communication standard laws of GSM850, DCS1800, PCS1900 and GPRS.
Read this user manual thoroughly to understand and learn the functions of this appliance.
Customers should know that the trio function (850-1800-1900) is a feature coming from the communication network.
Make sure that this feature is available via the RED exchange service personnel.
Additional RED services are available for this phone.
For these services, however, customers are required to join the exchange service.
For further information on How To Join, see below.

Safety On The Road

Please remember that using a mobile phone during driving is prohibited.
Follow the rules as applicable in each country.
Stop the car in a safe place if you need to answer or use the phone.
Please always remember the following before using the phone in emergencies.
Focus on driving only.
Remember the most considerable thing is nothing but your safety.
If you want a Hands-Free device on vehicles, let it installed by an authorized engineer.

Safety In Hospital

The mobile phone since designed to transmit electric waves can disturb functions of electric or medical appliances.
Remember to turn the phone off always in hospital.

Safety In Flight

Remember the phone if used in the airplane can disturb functions of electric wave equipment of the airplane.
Therefore, the use of the phone is illegal in the airplane.
Remember to turn the phone off always during flight.

Safety In Places Where Explosion Is Predictable

In such places as gas stations or chemical factories where explosion is predictable, the use of any electric wave equipment is illegal and prohibited.
Turn off the phone and avoid the use near any gas station.

Infrared Equipment And Safety

This phone includes infrared transmission equipment.
Do not let infrared rays come in contact with eyes of others nor use together with other infrared equipment.

Electrical Equipment

Most electric appliances are secured and protected against the effect of the phone radio frequency.
Nevertheless, there are some products that are not protected against.
A person who works in a manufacturing company of those products, wearing heart pulsimeter is desired to keep at least 15cm away from the phone to avoid the electric wave.
If applicable problems still occur as before to the person with heart pulsimeter, then the phone shall be turned off.
The phone can disturb functions of some kind of microphones.
In this case, please contact the manufacturing factory of such microphones for further information.
Since the radio frequency signal generated from this phone may have an influence on electric equipment of a car (air bag, brake, and so on), please be well informed thereof via its maker.

Battery And Parts

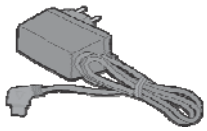
This phone uses a rechargeable battery of Li-ion Technology.
The battery if completely recharged is usable to call for a duration of 230 minutes and available for standing-by for a duration of 180 minutes.
Do not use any charger or battery if damaged or worn out.
Do not touch any circuit of the battery. It will cause damage thereon.
If the battery is kept in hot temperature, its function and duration may be deteriorated.
Keep temperature always as similar as possible.
The phone if kept in too high or too low temperature may not operate from time to time even if the battery completely recharged.
Time required to recharge the battery may be different according to several factors such as capacity left, type of battery and charger, and so on. For the better performance of recharge, keep suitable temperature.
The battery although completely recharged can be discharged of itself as the time elapses.
Unplug the switch of the charger if not used.
For effective operation of the phone, please stand the phone always lengthwise.
Do not throw the battery in a ditch or a fire.
The battery shall be recycled according to its related laws.
Use only the battery, charger and parts attached to the phone just as provided from the factory.
Parts shall be compatible to be used.
If not, its warranty will be invalid.
If some parts need replacement, contact the agency you joined to order.
Fill up the battery to the maximum prior to its first operation.
For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Handset

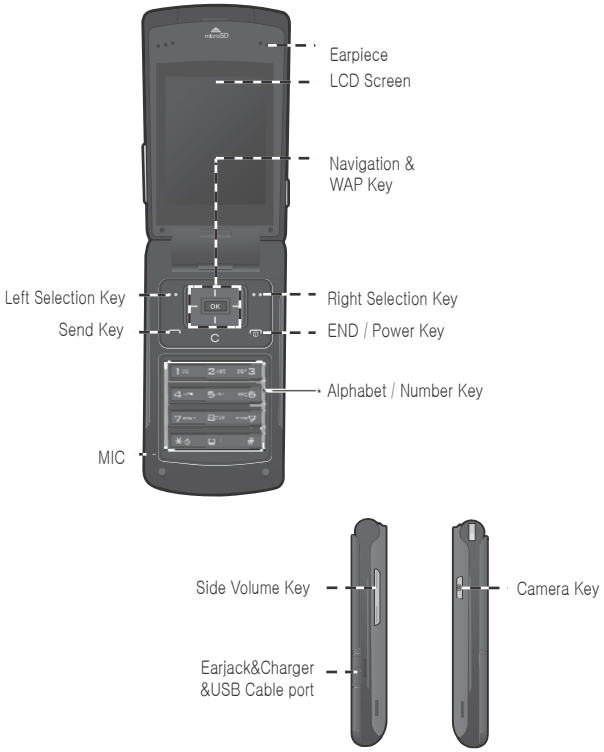
USB Cable

User Manual

Battery



Travel Charger


Earpiece
LCD Screen
Navigation &
WAP Key
Left Selection Key
Right Selection Key
Send Key
END / Power Key
Alphabet / Number Key
MIC

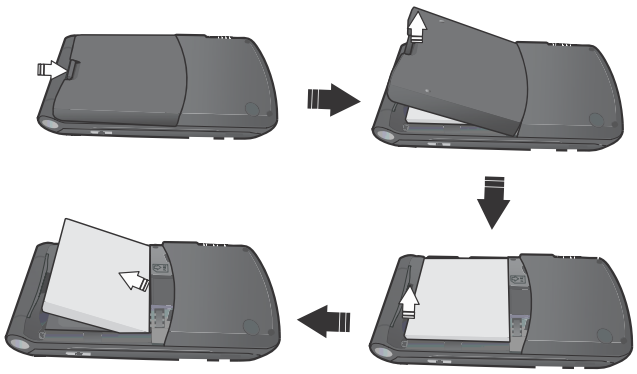
Side Volume Key
Camera Key
Earjack&Charger
&USB Cable port

In The Beginning

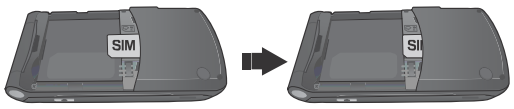
Installment Of SIM Card

To answer the phone or to call, the mobile needs a available SIM card, which the communication company may have installed already. Note If the mobile is used, installation state of the SIM card will be displayed. If the SIM card is not installed, a confirmation paragraph will be displayed.

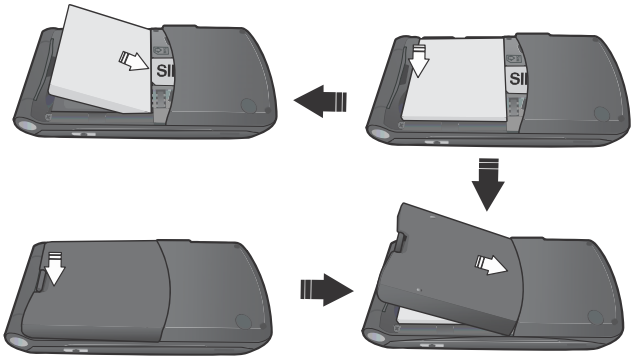
1. Remove the battery after pulling the hook outward with the mobile turned off. The battery since adhered to the cover will come out as one component.



2. After the battery is removed, insert the SIM card to the hole. At this moment, make sure the corner of card fits well on the rim of the hole so to insert the card, checking the remaining aspect. Insert SIM card as shown in the following figure.



3. As for the two holes, make sure the cover on the rear fits well to insert the battery. Finally, keep pressing the lower of the cover till it sounds Tic.



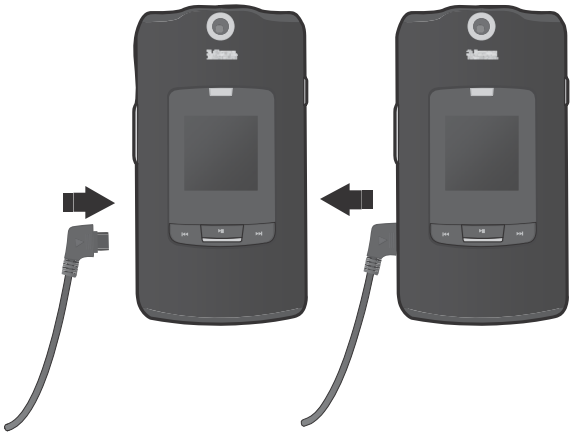
4. Pull the hook and insert the cover and the battery.

Note: Follow these procedures or some defects may occur on the support parts of the entrance, which will not be guaranteed.

Battery Charge

1. Insert the charger as shown in the figure. The screen will display the Battery is being charged while the phone is turned on for several seconds before returning to the previous step. (your phone is available even during the battery is charged). If the phone is turned off, display of Battery is being charged will be continuously displayed.

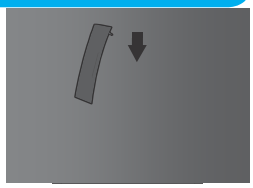
2. If the charge is completed, the screen will be as shown in the figure. To remove the charger hold and press the both ends to extract.



Using the Micro SD Card

Installing the Micro SD Card

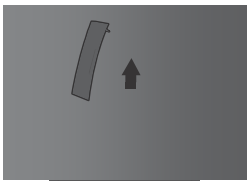
1. Open the card hole cover, and insert the Micro SD card like the arrow indicates.



Note: Please keep Micro SD card slot closed at all times whether Micro SD card is inserted or not to prevent possible damages.

Removing the Micro SD Card

1. To remove the Micro SD card, press and release the card so that it is disengaged from the slot. Then slide it out.



- When you insert Micro SD card, make sure contact terminals face down.
- Memory used for the mobile phone is not the general SD card but the Micro SD cards.
- Do not remove the Micro SD card while reading or writing files. Otherwise it could be damaged.
- " Micro SD" card is recognized as a mobile disk when connected to a personal computer.
- When disconnecting from PC, please remove the USB storage equipment on your PC. Otherwise, the stored files on the Micro SD card could be damaged.

Removable memory storage functionality

The following grid shows what types of files can be transferred to the removable memory card.

Ringtones

Memory Usage	Ring tone	
Download vid " Get It Now" application	YES	Stored to the phone only
Saved to a removable SD memory card	NO	Stored to the phone only
Saving a sound attachment to the Micro SD card	No	Stored to the phone only

PIX

Memory Usage	Pix	
Pictures received from other users	YES	Stored to the phone only
Download via a Get It Now application	YES	Stored to the phone only
User generated picture	YES	Information can be stored to phone or memory card
Information/fi les viewable on PC	NO	Files are locked

Flix

Memory Usage	Flix	
Video clips received from other users	YES	Stored to the phone only
Video clips downloaded via Get It Now	YES	Stored to the phone only
Video clips downloaded via packet Video (PV) Ex: NBC	YES	Stored to the phone only
User generated video	YES	Information can be stored to phone or memory card
Information/files viewable on PC	NO	Files are locked

MP3/Music

Memory Usage	Flix	
Move MP3 files from PC to the memory card	YES	User can play MP3 files from the card
Move MP3 files off the card to the phone's memory	NO	
Are other music file types available for	NO	

Phone ON/OFF

Keep on pressing the End Key for 5 seconds to turn on the phone.
This function is designed to avoid unintentional ON or OFF of the phone when kept in a pocket or luggage.

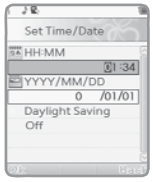
Start

If PIN enable setting on after the phone is turned on, you will be required to input 4-digit password. Input correct password and press OK(Center_ Direction) Key.

Note: If password is not input, only emergency call will be available with SOS Key.

In case the phone has been off for long, you may be asked to make sure if date and time are correct.

If they are not correct, press edit Key.
If the date is correct, press OK(Center_Direction) Key.
If the date is not correct, input new date using the number on the Key pad and then if the time is not correct, input new time and then press OK(Center_Direction) Key. Select daylight saving on or off.



Stand-by Screen

Note For about 1 minute and 30 seconds after the phone is on, it' s image and menu may be displayed a little slower than usual. This delayed time is for environmental setting of the menu. And the menu will not be displayed during this duration. After this duration, the speed will be back to normal. Stand-by screen is displayed when the phone is available to answer or use to call.

- **Central Part:** If the phone is not available yet for services, bumpy paper type of background is displayed, where main menus are displayed here too. On the bottom, day, month, year and present time will be displayed.
- **Lower Part:** Optional menu will be displayed as a Left_selection Key. Name menu will be displayed as a Right_selection Key.

- Press the Left_selection Key located below the menu in stand-by screen stat so to display the main menu.
- Press the Right_selection Key in stand-by screen state so to display the Name menu.
- Press the Upper of the direction Key in stand-by screen state so to display the Audio Player menu.
- Press the lower of the direction Key in stand-by screen state so to display the Write Message menu.
- Press the left of the direction Key in stand-by screen state so to display the Call Logs menu.
- Press the right of the direction Key in stand-by screen state so to display the Tone Setup menu.

The direction Key will be used mainly to appropriate functions of the phone.

- Keep on pressing End Key in stand-by screen state to turn off the phone.
- When the screen is in a normal state, press Send Key to display the call record.
- In order to make a call, press number first in stand-by screen state and the call Key next. Keep on pressing one number among 2 and 9 and a call to the number as input will be made. In the following table, various functions are described as applicable when number keys are pressed
  for short or long in stand-by screen state.

They are company mode and individual mode, where a relevant SIM card mode will appear if any password is input in stand-by screen state. Company mode and individual mode have their own numbering system respectively.

	Short	Long
1	No.1	Call connected to voicemail box
2	No.2	Speed Dial
3	No.3	Speed Dial
4	No.4	Speed Dial
5	No.5	Speed Dial
6	No.6	Speed Dial
7	No.7	Speed Dial
8	No.8	Speed Dial
9	No.9	Speed Dial
0	No.0	Number 0
*	Symbol*	Vibration Mode
#	Symbol#	Symbol #

Dual SIM card: Dual SIM card has 2 passwords and 2 relevant modes respectively.

Icon	Name	Description
	Antenna	Always displayed to show service area if reached.
	Service available level	Always displayed to show service available level (0 to 5) in a bar graph.
	Service available level A	The greatest service available level with the maximum bars.
	Bell mode	There are 5 modes available (sound only, vibrate only, sound after vibrate, sound with vibrate, silence).
	Mute	Ringer volume is set to off.
	New SMS	This will be displayed when a new SMS message is received.
	New MMS	This will be displayed when a new MMS message is received.
	Battery	Battery charging level - the more blocks, the stronger the charge.
	Alarm	Displayed if alarm is set via the calendar.
	TTY	TTY mode is active.
	Roaming state	Displayed while user is in other service area or receiving a call abroad.
	Missed Calls	
	Lock	

Calls

Making A Call

To make a call, press desired phone number in stand-by screen state and then Call Key .
If you input wrong number, Clear Key to delete the last number input.
In order to delete a specific number, move the cursor right behind the number to delete (press the left direction Key) and then press End Key.

Press End Key to finish the call.

In the stand-by state of the phone, input number to display the following screen.

If the inputted phone number is displayed, just press menu(Left_selection) Key and specify a save folder.

If SIM card or the memory of the phone is displayed automatically, specify a related type of the phone too. (Refer to the user manual for more detailed procedures)

Answering The Phone

Press Call (receive) Key to answer the phone call.
Press End Key not to answer the phone call.

Whole Menus

In the stand-by state, press the menu(Left_selection) Key to go to standard menu. Press the direction (up/down/left/right) Key to get into menu desired. While pressing the OK(Center_Direction) Key, press relevant number to get into the category applicable. Figures of the icons, names of the categories, brief description of each menu and short-cut keys are as in the following table;

Icon	Menu	Description
	Calls	To look through call record and voice messages sent and received.
	Phone Book	To save phone numbers and setting speed dial, owner, extra number.
	Extras	To use calendar, alarm, world clock, calculator, unit converter, currency, converter, stopwatch.
	Entertainment	To download and select new video games and melody images. and Health.
	Messages	To read and write text messages.
	Multimedia	To deal with camera and image album, videos, MP3, etc.
	Setting	To specify volume, calling melody, background image and other environment of the phone.
	Service	To move to service menu.
	File Manager	To edit file.

Common Screens And System In Various Menus

Input Phone Number

When you start inputting number in stand-by state, the number will be displayed, moving from right to left as it is inputted. If the number input reaches the end of the right, the number will move to the lower line to prepare a space for the next numbers to input.
During inputting number, the screen will be as shown below.
In order to insert a number between numbers just entered, use the direction Key (up/down/left/right) to move the cursor.
Press Clear Key to delete the number on the left of the cursor.

Writer

Writer is used to input phone number, text or number.
All kinds of writers (phone number, number, text) have their own functions respectively.

Writer Of Phone Number

It is used to input phone number from the phonebook. Above all, press number in stand-by screen state to get into the screen of writer function. 0 ~ 9 are available to enter, which has the following features.

- Press <*> and <#> to input characters of <*> and <#> respectively.
- Press Clear Key to delete the last number input. Keep on pressing Clear Key to delete the whole number input (whole number) and to return to stand-by screen state.
- Press Lower Key (menu displayed on the left of the screen) to go to next step. Press Previous Key to go back to the previous step of the screen.

Writer Of Number

It is used to input password 1, password 2 and call-restricted password. Press the following keys to make use of its functions specified.

- Use the keys 0 to 9 to press such number 0 to 9 as applicable.
- <*> and <#> Key has no function.
- Press Clear Key to delete the last number input. Keep on pressing Clear Key to delete the whole number input.
- Press OK(Center_Direction) Key to go to next screen. Press Back(Right_selection) Key to go back to the previous screen.

Writer Of Text

It is used to input text of names or messages. There are 4 input methods for text writer.

- [ABC] Capital english letter input: displays all the input text in capital letters. This can be used together with Multi Input and Smart Input which will be later described.

- [abc] Small english letter input: displays all the input text in small letters. This can be used together with Multi Input and Smart Input.
- [123] Number Input, number input is available fast. (Press number 0 to 9 to display 0 to 9 as applicable.

Note: Press <#> shortly to change input sequence as follows;
ABC, abc, 123, RU, ru, UK, uk.
Input method is displayed between the two menus in the center of the bottom line of the screen.
(See below):

In the Expected Input method, the method is underlined.
In case with the two accompanied, it will be displayed as below.

Smart Input

This makes fast text input available. With the improved technology of (Press and Expect), a function to expect is realized, making use of the dictionary prepared in the language specified. In this way the writer provides the serial expected characters of text when the user presses the Key once.

Text Selector

Press * Key shortly in the screen of text mode to display text selector which can display special characters which are not available in general text mode. Move the direction Key (up/down/left/right) on the text desired to select those special characters.

If you select the special character. Press OK(Center_Direction) Key to input applicable character. Characters available are as follows:

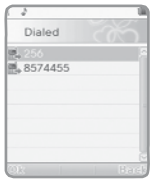
Through this Calls menu, you can move to call Logs, voice mail and mainly used number list.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.

- Dialed
- Received
- Missed
- Call Settings
- Delete Call Log
- Call Time
- SMS Counter
- GPGS Counter

Dialed

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.
3. On calls screen, select Dialed and press select to display the following information.

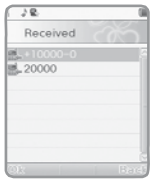


Select a call desired and press option(Left_selection) Key to display new menu with the following options:

- **Delete:** Delete phone number in dialed folder.
- **Save to Phone book:** Send a message (Short or multimedia) to selected number.
- **Dial:** Tries a call to the phone previously selected.
- **Edit:** Edit phone number.

Received

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.
3. On calls screen, select Received and press select to display the following information.

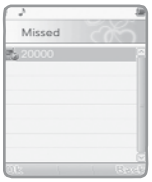


Select a call desired and press option(Left_selection) Key to display new menu with the following options:

- **Delete:** Delete phone number in received folder.
- **Save to Phone book:** Send a message (Short or multimedia) to selected number.
- **Dial:** Tries a call to the phone previously selected.
- **Edit:** Edit phone number.

Missed

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.
3. On calls screen, select Missed and press select to display the following information.

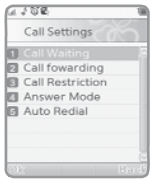


Select a call desired and press option(Left_selection) Key to display new menu with the following options;

- **Delete:** Delete phone number in missed folder.
- **Save to Phone book:** Send a message (Short or multimedia) to selected number.
- **Dial:** Tries a call to the phone previously selected.
- **Edit:** Edit phone number.

Call Settings

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.
3. On calls screen, select Call Settings and press select to display the following information.



- Call Waiting
- Call Fowarding
- Call Restriction
- Answer Mode
- Auto Redial

Call Waiting

This service is used to make other call stand by while a precedent call is connected, which can be applied or cancelled as necessary.

- **Activate:** Activate Call Waiting call option.
- **Deactivate:** Deactivate Call Waiting call option.
- **Query Status**: Query status of Call Waiting call.

Call Forwarding

It allows you to make received Call to go to other phone number. Select this option and press OK(Center_Direction) Key to use this function, which has 6 sub-menus as follows:

- **Divert All Voice Calls:** Forwards all voice call.
- **Divert If Unreachable:** Forwards all calls received even if out of service area.
- **Divert If No Answer:** The service provider shall specify the number of bells to make In-absence mode active if call is not answered.
- **Divert If Busy:** Forwards all calls selected during you are connected with other phone.
- **Divert All Data Calls:** Forwards all data calls.
- **Cancel All Divert**

Call Restriction

This makes calls be sent and received only under the specified conditions. Select this option on menu to make use of this service.

- **All outgoing:** Restricts All outgoing calls, which is controlled by password.
- **Internationl Outgoing:** Restricts All outgoing calls to abroad, which is controlled by password.
- **Internationl Expect Home**
- **All Incoming:** Restricts All incoming calls which is controlled by password.
- **When Roam**
- **Cancel All:** Cancel All the pre-set restricts at a fine, which is controlled by password.

- **Change Password:** In order to change password for call barring, select change password option and press OK(Center_Direction) Key. then input the correct existing password first and then new password twice(it is to confirm that the new password is correct).

Answer Mode

- **Any Key :** Starts connection if active to any call when any Key on the pad is pressed.
- **Cover Answer:** Starts connection if active to any call when the mobile folder is opened.

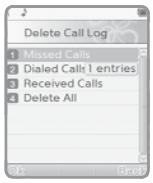
Auto Redial

If this function of the mobile is selected, dialing will be repeated to any number if the connection is failed since in absence or not answered. In 5 seconds, the phone will try to make a call to the number again automatically. If you don't want to use this function, press Back(Right_ selection) Key, or press OK(Center_Direction) Key to use. The call if the connection is failed again will be retried in 60 seconds. This function can be made on or off, however, kept inactive initially.

Delete Call Log

This option is used for you to erase all the call lists through call option menu. (Missed, Received, Dialed, All).
It will erase all the record of calls with ease.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_ Direction) Key.
3. On calls screen, select Delete Call Log and press OK(Center_Direction) Key to display the following information.

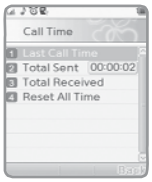


- **Missed Calls:** Deletes all calls in absence saved.
- **Dialed Calls:** Deletes all sent calls saved.
- **Received Calls:** Deletes all received calls saved.
- **Delete All:** Deletes all the lists of calls saved.

Call Time

This provides information on calling time used in total (time used for calls dialed and received including the last one).

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_Direction) Key.
3. On calls screen, select Call Time and press OK(Center_Direction) to display the following information.

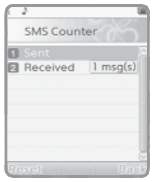


The following is to describe the option.

- **Last Call Time:** Used for the last call.
- **Total Sent:** Used for calls sent.
- **Total Received:** Used for calls received.
- **Reset All Time:** Erase the time used all time.

SMS Counter

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_Direction) Key.
3. On calls screen, select SMS Counter and press OK(Center_Direction) to display the following information.

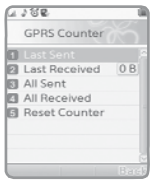


The following is to describe the option.

- Sent
- Received

GPRS Counter

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Calls menu then press OK(Center_Direction) Key.
3. On calls screen, select GPRS Counter and press OK(Center_Direction) to display the following information.



The following is to describe the option.

- Last Sent
- Last Received
- All Sent
- Reset Counter

In Phonebook, phone number, name and other information are saved and displayed.

There are three points of contact in address book.

1. To **SIM:** Information related with contact is saved in SIM memory only.
2. **To Phone:** Information is saved in phone memory only.

A special icon represents each contact.

In this way, duplicate contact uses SIM contact uses SIM card-shaped icon , and the next icon is used for phone contact.

The followings are several rules used in address book.

- As specified, address book displays whole address book on the screen to show all contacts.

Group will be represented by a special icon.

- Information in the phone book is displayed in alphabet order. Phone number correspondent to each name is marked on the right of the line under the screen.
- Up to 14-character and 20-digit input can be saved in the phone book. (If the first text input is some symbol to represent international call, up to 21 is available)
- Up to 4 phone numbers are available for a name.
- Up to 250 addresses can be saved in SIM memory. (The number of addresses available differs from each other according to card capacity)
- Up to 500 entries can be saved in phone memory.
- If all the information of a name can not be displayed at a time on screen, press the direction Key to move the information vertically so to display and read the rest on screen (being accordingly changed) to the end.

" ....." if displayed in the end of the screen means that there is more information to come.

Quick Search

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Quick Search and press OK(Center_Direction) to display the following information.

4. On the screen write more than 1 characters of the contact name to find.

Select Quick Search and press Option(Left_Direction) Key to display its options as follows:

- **View:** Shows details on contact being selected.
  - Name (it appears on the upper of the screen)
  - number
  - Home Number
  - Company Name
  - E-mail Address
  - Office Number
  - Fax Number
  - Birthday
  - Associate Picture
  - Associate Video
  - Associate Sound
  - Caller Group
- **Edit:** Change the information of the name selected.
- **Delete:** Delete contact.
- **Copy:** Copy to SIM or Phone memory.
- **Move:** Move to SIM or Phone memory.
- **Duplicate:** To duplicate contact.
- **Send vCard:** To send vcard.

This option is used to search for other contacts on the contact list. Select Search option to display Search by name screen.

Search Entry

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Search Entry and press OK(Center_Direction) to display the following information.

This option is used to search for other contacts on the contact list.
Select Search option to display Search by name screen.
On the screen write more than 1 characters of the contact name to find.
If written, the applicable name with the same characters is displayed.
Now you may search up and down to find the name on the list.
For example, press No.2 Key to fast reach names with the first character of C.
If there is no name with such a character, the Key will show names with the next character (in alphabetical order).

Add New Entry

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Add New Entry and press OK(Center_Direction) to display the following information.

This option adds new contact to address book. Select this option to display the following screen.

Note: New contact can not be made directly to whole address book. For this operation, you should make it first in SIM or phone address book and then copy the contact to address book next. Select In phone memory to make contact in address book. Select In SIM memory to save contact in card. Select option as desired and press OK(Center_Direction) Key.

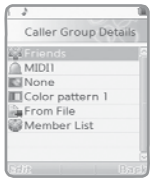
- **To SIM:** Input name and number then press OK(Left_Direction) Key. Select yes to save contact in SIM memory.
- **To Phone:** Input name, number, home number, company name, email address, office number, fax number, birthday, associate picture, associate video, associate sound and caller group then press Done(Right_Direction) Key. Select yes to save contact in Phone memory.

Caller Group

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Caller Group and press OK(Center_Direction) to display the following information.

Caller group Details

Select group press OK(Center_Direction) to display its options as follows:



Rename Group

It is used to change selected group name. Select group name on Caller Group details screen and press Edit(Left_Direction) Key to display Write Rename group screen. Use alphabet/number buttons to change to new name. Press OK(Center_Direction) Key then select done to finish.

Group Ringer
It is used to change select group ringer. Select Ringer on Caller Group details screen. Use Left/Right direction Key to select group ringer.

Group Picture
It is used to change select group picture. Select Picture on Caller Group details screen. Use Left/Right direction Key to select group picture or select View(Left_selection) Key then use Upper/Lower direction Key to select group picture.

Group Color Pattern
It is used to change select group color pattern. Select Color Pattern on Caller Group details screen. Use Left/Right direction Key to select None or Color pattern 1~6.

Associate Video
It is used to change select associate video. Select Video on Caller Group details screen. Use Left/Right direction Key to select None, Video 1 or From File.

Add Member
It is used to add member in group. Select Member List on Caller Group details screen. Press option(Left_selection) Key and select Add.
Select contact and press Add(Left_selection) then select Yes(Left_selection) to finish.

Delete Member
It is used to add member in group. Select Member List on Caller Group details screen. Press option(Left_selection) Key and select Delete.
Select Yes(Left_selection) to delete member.

Speed Dial

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Speed Dial and press OK(Center_Direction) to display the following information.

4. Select Enable Speed Dial on Speed Dial screen to Speed Dial On/Off.

If this option is applied, you can make a fast call. Select number and then press it to make a fast call thereto in stand-by state.
How to make it available is as follows;

Setting Speed Dial Number

In the mobile, individual phone number can be set to each number Key of 2 to 9. For example, if you want to set Key No.7 for certain fast dial number, the procedures below shall be followed.

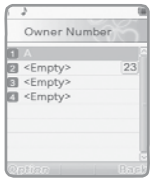
1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Speed Dial and press OK(Center_Direction) to display the following information.
4. Select Set Number and press OK(Center_Direction) Key to go into speed dial setup window.
5. Select 7 and press Option(Left_Direction) Key then select Edit.
6. Select any contact number you want to connect with Key No.7 and press OK(Center_Direction) Key.
7. Press option(Left_selection) Key and select Edit or Delete if you want to Edit or Delete the fast call connection.

If the fast dial number is presently active, keep pressing Key No.7 till the call is connected.

Owner Number

The number of owner number can vary (up to 4) depending on the SIM.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Owner Number and press OK(Center_Direction) to display the following information.



4. Press option(Left_selection) Key and select Edit or Erase.

- **Edit:** Edit an Owner Number.
- **Erase:** Deletes an Owner Number.

Extra Number

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Extra Number and press OK(Center_Direction) to display the following information.

- **Service Dial Number:** The list of numbers in the SDN (Service Dial Number) appears. Select service Numbers then press Call Key.
- **SOS Number:** The list of numbers in the SOS Number. Select SOS Number then press Call Key.

Management

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Phone Book menu then press OK(Center_Direction) Key.
3. On calls screen, select Management and press OK(Center_Direction) to display the following information.

- **Memory Status:** Used to confirm the capacity and the condition of SIM card or phone memory.
- **Preferred Storage:** Select SIM or Phone.
- **Copy All:** Copy all from SIM to Phone or Phone to SIM.
- **Delete All:** Delete all from SIM, Phone or One By One.
- **Fields:** Setting Contact fields.
- **My vCard:** Edit and Send My Card.
- **Human Voice Prompt:** Select On or Off.

The options on Extras menus allow you to connect to other functions of the phone and SIM card. Follow the procedures below
to enter Extras menus.

1. Press menu(Left_selection) Key when the phone is in stand-by state to display options on main menu.
2. Use the direction Key to select a Extra icon.

Option list related with Extras menus will be displayed as shown below;

- Calendar
- To Do List
- Alarm
- World Clock
- Calculator
- Unit converter
- Currency Converter
- StopWatch

Calendar

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, select Calendar and press OK(Center_Direction) Key to display the following information.

Add Events

1. On option screen, select View Tasks and press OK(Center_Direction).
2. On Task List screen, press Add(Left_Direction).

- **Date:** Set date.
- **Time:** Set time.
- **Note:** Press Edit(Left_Direction) Key then Input memo use digit key.
- **Alarm:** Select On or Off.
- **Repeat:** Select Once, Every Day, Day(Monday~Friday), Weekly or Monthly.

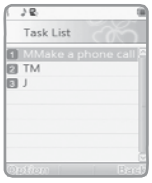
3. Press Done(Right_Direction) then select Yes(Left_Direction) to finish.

Jump To Date

1. On option screen, select Jump To Date and press OK(Center_Direction).
2. Input date use digit key then press OK(Center_Direction).

To Do List

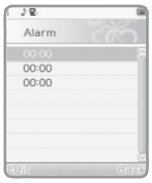
1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_ Direction) Key.
3. On Extra screen, select To Do List and press OK(Center_Direction) Key to display the following information.



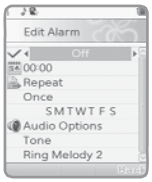
- **View:** Any event once after specified can be checked everyday through the following options displayed on calendar screen.
- **Add:** Add event.
- **Edit Task:** To edit event.
- **Delete Task:** To delete event.
- **Delete All:** To delete all event.
- **Send vCalendar:** To send vcalendar.

Alarm

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, select Alarm and press OK(Center_Direction) Key to display the following information.



Add Alarm



- **Set:** Select On or Off.
- **Time:** Set time.
- **Repeat:** Select Once, Every Day or Day(Monday~Friday).
- **Audio Options:** Select Tone or FM Radio.

4. Press Done(Right_selection) Key then select Yes(Left_Direction) to save alarm.

World Clock

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, Select World Clock and press OK(Center_Direction) Key to display the following information.
4. Go to option and press On/Off(Left_Direction) Key to Daylight Saving Time for Foreign City On or Off.

Calculator

The mobile calculator helps you to perform basic calculation work.
Follow the procedures below to use the calculator.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.

3. On Extra screen, Select Calculator and press OK(Center_Direction) Key to display the following information.

- Use number keys to input numbers desired.
- Use * Key to display a decimal point.
- Use # Key to make a negative number.
- After desired number is input, press Navigation Key to input the signs of +, -, x and /.
- Input the first number and then the second number to calculate.
- Te get the result of the calculation, press Equals Key (See the figure below).
- You can use the acquired result to apply to other calculation with Navigation Keys. This calculator does not support simultaneous multi-calculation. You should divide the object into several in such a case and then perform each calculation in due consideration of calculation priority.

Press Back(Right_selection) Key to return to previous screen.

Unit Converter

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, Select Unit Converter and press OK(Center_Direction) Key to display the following information.

- **Weight:** Kg <-> Pound or Kg <-> Ounce
- **Length:** Km <-> Mile, M <-> Yard, M <-> Foot or Cm <-> Inch

Currency Converter

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, Select Currency Converter and press OK(Center_Direction) Key to display the following information.

4. On Input Currency screen, input rate date then press OK(Center_Direction) Key.
5. Input local date then press OK(Center_Direction) Key.

Stopwatch

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Extra menu then press OK(Center_Direction) Key.
3. On Extra screen, Select Stopwatch and press OK(Center_Direction) Key to display the following information.

Typical Stopwatch

Split Timing

- To start, press Start(Left_Direction) Key.
- To Stop, press Stop(Left_Direction) Key.
- To Resume, press Resume(Left_Direction) Key.
- To Split, press Split(Right_Direction) Key.
- To Save Split time, press Back(Right_Direction) Key then select Yes(Right_Direction). Input Save Stopwatch title and press Option(Left_Direction) then select Done.

Lap Timing

- To start, press Start(Left_Direction) Key.
- To Stop, press Stop(Left_Direction) Key.
- To Resume, press Resume(Left_Direction) Key.
- To Lap, press Split(Right_Direction) Key.
- To Save Lap time, press Back(Right_Direction) Key then select Yes(Right_Direction). Input Save Stopwatch title and press Option(Left_Direction) then select Done.

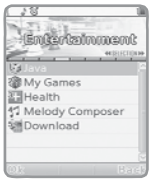
View Record

- **View:** View record date.
- **Delete:** Delete record date.
- **Delete All:** Delete all record date.

nWay Stopwatch

- To start, press Start(Left_Direction) Key.
- To Stop, press Stop(Left_Direction) Key.
- To Resume, press Resume(Left_Direction) Key.
- To Back, press Back(Right_Direction) Key.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.



Option list related with Entertainment menus will be displayed as shown below:

- Java
- My Games
- Melody Compser
- Download

Java

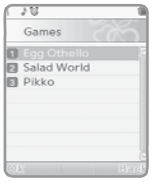
1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.
3. On Entertainment screen, Select Java and press OK(Center_Direction) Key to display the following information.

You can download and execute the java application on your hand set.

- Java Contents
- Java Setting

My Games

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.
3. On Entertainment screen, Select Games and press OK(Center_Direction) Key to display the following information.



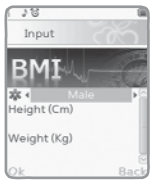
- Egg Othello
- Salad World
- Pikko

Health

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.
3. On Entertainment screen, Select Health and press OK(Center_Direction) Key to display the following information.

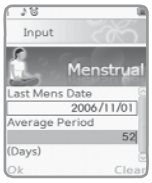
You can cheak your BMI and menstrual.

BMI



- Select Male or Female.
- Input Height (Cm) use number key.
- Input Weight (Kg) use number key.

Menstrual



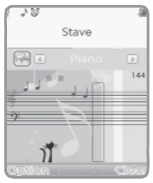
- Input Last Mens Date.
- Input Average Period use number key.

Melody Composer

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.
3. On Entertainment screen, Select Melody Composer and press OK(Center_Direction) Key to display the following information.

Create Melody

1. Press Option(Left_Direction) Key.
2. Press Add(Left_Direction) Key then you can input musical note use number key.



3. If you want delete musical note press Clear(Right_Direction) Key.
4. Press option(Left_selection) Key. The following is to describe the option.

- **Play:** Play be created melody.
- **Play Speed:** Select play speed Fast, Normal or Slow.
- **Select Instrument:** Select instrument Piano, Guitar, Violin, Saxophone, Steel Drums, Flute, Harmonica, Trumpet, Music Box or Xylophone.
- **Save:** Save be created melody.

Download

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Entertainment menu then press OK(Center_Direction) Key.
3. On Entertainment screen, Select Download and press OK(Center_Direction) Key to display the following information.

- **Image:** Download image.
- **Audio:** Download audio.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_ Direction) Key.

Option list related with Message menus will be displayed as shown below;

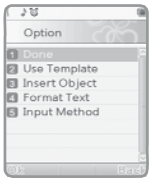
- SMS
- MMS
- Email
- Voice Mail Server
- Chat
- Broadcast Message

SMS

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_Direction) Key.
3. On Message screen, Select SMS and press OK(Center_Direction) Key to display the following information.

Send New SMS

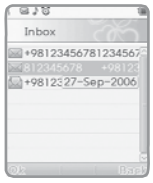
1. On SMS screen, Select Write Message and press OK(Center_Direction) Key to display the following information.
2. Input message.
3. Press option(Left_selection) Key.



- **Done:**
  - **Send Only:** Send message.
  - **Save and Send:** Save message then send message.
  - **Save:** Save message.
  - **Send To Many:** Send message to many people.
  - **Send By Group:** Send message to group.
- **Use Template:** Insert a clause stored in Template.
- **Insert Object:** Allows user to insert some object in a message. For example, picture (simple static picture), animation (small moving picture), melody (music), sound (simple bell).
- **Save:** Saves the just written message in memory.
- **Format Text:**
  - **Text Size:** Select Small, Medium or Large.
  - **Text Style:** Select On or Off for Bold, Italics, Underline and Strikethrough.
  - **Alignment:** Save message.
  - **New Paragraph:** Send message to many people.
- **Input Method:** Select Input method. (Alphabetic/Numeric/Symbols)

Inbox

It is a space to save all the messages received including SMS.
If a message is received, separately specified sound of bell will operate.
And as shown below, an image will be displayed on the screen.



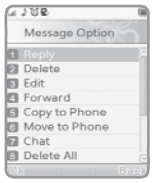
View Saved Message Not Read Yet

Follow the procedures below to read new message saved.

a. Read Text Message: Select text message option to display text message list, received. Each message has an icon and senders number, date. There are two kinds of icons;

- This icon means that the message in the Inbox is not read yet.
- This icon means that the message in the Inbox is read already.

Select a text message to read now and press option(Left_selection) Key.



- **Reply:** Displays Write Text Screen to replay to the message received. Write message as desired. If you want to know how to write and send text message (SMS), refer to <Send New SMS>.
- **Delete:** Delete the SMS.
- **Edit:** Edit the message.
- **Forward:** Delivers the received message to others. Input the phone number directly thereon or select a receiver on address book. Then press OK(Center_Direction) Key.
- **Copy to Phone:** Copy message to phone.
- **Move to Phone:** Move to message to phone.

- **Chat:** Set nickname and remote number then input message. And send message.(Use Template, insert PHB number, name.)
- **Deleta All:** Deletes all the SMS.
- **Copy All:** Copy all message to phone.
- **Move All:** Move all message to phone.
- **Use Number:** You can Dial or save to phone book.
- **Use URL**
- **Save Objects:** Save display objects integrated with a message.

MMS

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_Direction) Key.
3. On Message screen, Select MMS and press OK(Center_Direction) Key to display the following information.

Send New MMS

1. On MMS screen, Select Write Message and press OK(Center_Direction) Key to display the following information.

- **To Nr:** Where main receiver' s phone number or E-mail addresses will be surely specified. Up to 60 characters are available for E-mail and up to 40 numbers for the phone number.
- **Cc:** Where other receiver s contact will be displayed to receive copy of message. How to select receivers is as described previously. You may input several phone numbers or E-mail addresses to send a message to many receivers at a time through address book screen.
- **Bcc:** Where other receiver s contact will be displayed to receive copy of message. How to select receivers is as described previously. You may input several phone numbers or E-mail addresses to send a message to many receivers at a time through address book screen.
- **Subject:** Where title of message will be displayed. Select this option and press Edit(Left_Direction) Key to go to Subject screen described previously to input up to 40 characters.

- **Message:** Where details of message are written. Press Edit(Left_ Direction) Key to go to Subject screen described previously to input up to 612 characters.
  - Done
  - **Input Method:** Select Multitap ABC, Multitap abc, Numeric, Multitap RU, Multitap ru, Multitap UK, Multitap uk, Smart ABC, Smart abc, Smart RU, Smart ru, Smart UK, Smart uk or Insert Symbols.
  - **Add Image:** It is used to attach picture or image already saved in the phone.
  - **Add Audio:** It is used to add desired sound to MMS. (You may select the sound saved in the phone or the sound being recorded to the phone using the microphone.)
  - **Add Video:** It is used to add desired Video to MMS. (You may select the Video saved in the phone or the Video being recorded to the phone using the video recorder.)
  - **Add Attachment:** It is used to add desired Attachment to MMS.
  - **Insert New Slide:** Adds a new slide page to create more slides. You can move to each slide page using the Left/Right direction key on the message composer screen.
  - **Delete Slide:** To delete slide.
  - **Preview:** Displays the appearance of the present messages page.
  - **Slide Timing:** Set the time duration that the recevied message is displayed. The display the display automatically scrolls to the next slide page after the specified time.

2. Press Done(Right_Direction) Key to display the following information.

- **Send Only:** Send message.
- **Save and Send:** Save then send message.
- **Send to Drafts:** Saves the written multimedia message in Draft MMS folder. Alphabetic or numeric mode: You may select a mode to input messages. (Capital letters, small letters, etc.)
- **Send Options:**
  - **Validity period:** Maximum period can be specified as necessary to make message sent. If once the period is over, the message will be automatically deleted. 1 hour, 12 hours, 1 Day, 1 week and the maximum are available for the period. The maximum has been previously established by its service provider. However, the minimum is 1 hour as described above.
  - **Delivery Report:** If this function is executed, the message sender will have information on message transfer from MMS service center, through which the message sender can be sure if the message has been read by the receiver or still saved in MMS service center. This information includes the receivers phone number, message details, present state (if transferred or kept in MMS service center), transfer time and date.
  - **Read Report:** If this option is executed, you can be sure if its receiver has read the message or not. Once the receiver read the message, the time and date when the message was read will be sent to its sender. No option is available for this function. It lets you be sure if the message has been read by the receiver or not.

- **Priority:** Displays priority of multimedia messages sent. (High, Medium, Low)

- **Exit:** To exit write message.

Inbox

MMS received and saved. Select message to read and press option(Left_ selection) Key to display various option menus.

- **View:** Edits all information related with To, Cc, details or message.
- **Properties:** Shows the message as it appears on the recipient's phone.
- **Send:** Send draft message.
- **Edit Message:** Edits all information related with To, Cc, Bcc, Subject or Edit content.
- **Delete:** Delete draft message.
- **Delete All:** Delete all draft messages.
- **Use Number:** Use dial or save to phonebook.

Outbox

Outbox stores messages that you have sent, or failed to send, or cencelled.

- **View:** Edits all information related with To, Cc, details or message.
- **Properties:** Shows the message as it appears on the recipient's phone.
- **Send:** Send draft message.
- **Edit Message:** Edits all information related with To, Cc, Bcc, Subject or Edit content.
- **Delete:** Delete draft message.
- **Delete All:** Delete all draft messages.
- **Use Number:** Use dial or save to phonebook.

Draft

Select Save as Draft to display temporary box of MMS saved.

- **View:** Edits all information related with To, Cc, details or message.
- **Properties:** Shows the message as it appears on the recipient's phone.
- **Send:** Send draft message.
- **Edit Message:** Edits all information related with To, Cc, Bcc, Subject or Edit content.
- **Delete:** Delete draft message.
- **Delete All:** Delete all draft messages.
- **Use Number:** Use dial or save to phonebook.

Sent

It is the place all sent MMS are saved (messages sent or saved after written).

- **View:** Edits all information related with To, Cc, details or message.
- **Properties:** Shows the message as it appears on the recipient's phone.
- **Send:** Send draft message.
- **Edit Message:** Edits all information related with To, Cc, Bcc, Subject or Edit content.
- **Delete:** Delete draft message.
- **Delete All:** Delete all draft messages.
- **Use Number:** Use dial or save to phonebook.

Template

A template contains a block of text for quick insertion into MMS.

1. Select a Template menu and press Option(Left_Direction) Key.

- **View:** View the message.
  - **Play:** Play MMS.
  - **Save Image As:** Save image in phone or DRM rights.
  - **Save Audio As:** Save audio in phone or DRM rights.
- **Properties:** Shows the message as it appears on the recipient's phone.
- **Write Message:** Writes a new MMS template.

Message Settings

It is used to define a series of options for MMS. The options displayed on screen are as shown below;

- **Sending:** View the message.
  - **Validity Period:** Select Max, 1 Hour, 12 Hour, 1 Day or 1 Week.
  - **Delivery Report:** When this option is set to On, the network informs you whether or not your message has been delivered successfully.
  - **Read Report:** When this option set to On, receiver's phone sends a reply to let you know when your message was read by her/him.
  - **Priority:** Select High, Medium or Low.
  - **Slide Timing:** Displays the play time in second during the attached file is played.(Up to 99 seconds available.) Input 1 to 99.
  - **Delivery Time:** Select In one hour, In 12 hours, In 24 hours or Immediate.

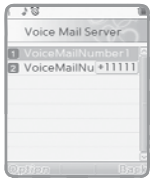
- **Retrieval:**
  - **Home network:** Select Immediate, Restricted or Delayed.
  - **Roaming:** Select As Home, Delayed or Restricted.
  - **Read Report:** Select On request, Send or Never Send.
  - **Deliver Report:** Select On or Off.
- **Filters:** Spam filter.
  - **Anonymous:** Select Allow or Reject.
  - **Max Size:** Input 1~999 KB
  - **Advertisement:** Select Allow or Reject.
- **Edit Profile:** Select FET MMS, CHT MMS, TCC MMS, TAT MMS, CHINA MOBILE MMS, KGT MMS or Profile 7~10.
- **Compose:**
  - **Creation Mode:** Select Free or Restricted.
  - **Image Resizing:** Select 160X120, 320X240, 640, 480 or Off.
  - **Auto Signature:** Select On or Off.
  - **Text:** Input Text.
- **Memory Status:** This function displays the amount of used and available memory on your phone.

Email

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_Direction) Key.
3. On Message screen, Select Email and press OK(Center_Direction) Key to display the following information.

Voice Mail Server

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_Direction) Key.
3. On Message screen, Select Voice Mail Server and press OK(Center_Direction) Key to display the following information.

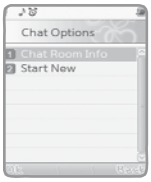


The options are as follow;

Whatever option is selected (Edit, Connect to Voice), you may hear instructions if connected to the number you joined. And if any of those is unavailable, an error message will be displayed on screen of the phone. In case a call is made to voice mailbox.

Chat

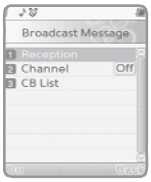
1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_Direction) Key.
3. On Message screen, Select Chat and press OK(Center_Direction) Key to display the following information.
4. Select Chat Room 1 or Chat Room 2 and press Option (Left_Direction) Key.



5. Select Chat Room Info. Set nickname and remote number then press OK(Center_Direction) Key.
6. Select Start New and send message.

Broadcast Message

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Message menu then press OK(Center_ Direction) Key.
3. On Message screen, Select Broadcast Message and press OK(Center_ Direction) Key to display the following information.



- **Reception:** Allows you to receive Broadcast messages if this option is selected. (Default is set to off)
- **Channel:** Defines a channel to receive this kind of messages. Select a new channel from the list to display on screen and use option Key to execute. If you want to add a new channel to list, press option Key and then Add. Input new channel number to number writer and press OK(Center_Direction) Key (Up to 3-digit number is available and the number shall be surely input. If not, channel setting will not be available) The Write option of sub-menu edits name and number assigned to the selected channel on the list. Up to 10 channels are available.

- **CB List:** Shows CB messages recently received, not saved nor deleted on this screen. If there is no message, List is empty will be displayed. If there is any message, its related title will be shown. Press details Key for further information. To save the message press Yes(Left_selection) Key, and press No(Right_ selection) Key to delete.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menus icon and then press OK(Center_Direction) Key. The icons are as shown below;

Option list related with Multimedia menus will be displayed as shown below;

- Camera
- Images
- Videos
- Photo Editor
- Audio Played
- Sound Recorder
- FM Radio

Camera

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_ Direction) Key.
3. On Multimedia screen, Select Camera and press OK(Center_Direction) Key to display the following information.

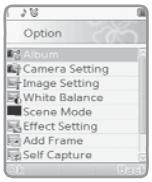
- **Enter Via Main Menu:** On the menu screen, select camera . Press OK(Center_Direction) again. If the camera operates anyway, let the phone stand lengthwise with its number pad downward, then catch hold of an object to take a picture of using the direction Key (ensure that camera controller is located at the rear central upper of the phone) and press OK(Center_Direction) in the center to take a picture.
- **Hot Key (folder open):** Keep pressing the camera key in stand-by screen, press camera Key on the Right side to open the camera menu.

You can adjustment camera options use number key.

Note: - Wait a few seconds for the digital sensor to adjust to digital tone of color when starting camera operation, which will make the quality of images excellent.
- Sound similar to the shutter of a camera will be heard for you to feel the same as with the actual camera when the moment a picture is taken.

Camera Options

The camera built-in the mobile includes functions of digital zooming and glossy adjustment. If the camera starts to operate, the following icon will be displayed on the option below the screen.



- **Album:** Image album.
- **Camera Setting:**
  - **Flash:** Select On, Off or Auto.
  - **Shutter Sound:** Select Sound 1~3 or Off.
  - **EV:** Select EV +4 ~ -4.
  - **AE Meter:** Select Auto, Spot, Weight or Average.
  - **Banding:** Select 50Hz~60Hz.
  - **Delay Timer:** Select 5 sec, 10 sec, 15 sec or Off.
  - **Cont Shot:** Select Off, 1 Shot or Burst Shot.

- **Image Setting:**
  - **Image Size:** Size of image that you want to shoot 240x320, 480x640, 960x1280, 1152x1536, 2048x1536, 1280x1024 or 640x480.
  - **Image Quality:** Select Normal, high or low.
- **White Balance:** Select Auto, Daylight, Tungsten, Fluorescent, Cloud, Incandescence or Manual.
- **Scene Mode:** Select Auto, Close-Up or Night.
- **Effect Setting:** Select Normal, Grayscale, Sepia, Sepia Green, Sepia Blue, Color Invert, Gray Invert, Blackboard, Whiteboard, Copper Carving, Blue Carving, Embossment, Contrast, Sketch, Custom FX1 or Custom FX2.
- **Add Frame:** Select Off or Frame 1~10.
- **Self Capture:** Press * switch to Main LCD.
- **Storeage:** Select Phone or Memory Card.
- **Restore Default:** Select Restore Default Yes or No.

Note: You can adjustment digital Zooming use upper or low direction Key on camera screen.

Images

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_Direction) Key.
3. On Multimedia screen, Select Image and press OK(Center_Direction) Key to display the following information.

- Phone
- Memory Card

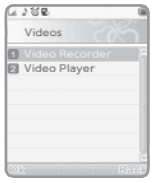
Image Options

Enables you to view or edit the photos saved in your handset.

- **View:** To view image.
- **Image Info:** To view image infomation.
- **Forward:** Set as Wallpaper, Sub Wallpaper, Screen Saver, Power On Display, Power Off Display, Phonebook, MMS, E-Mail or Bluetooth.
- **Rename:** Rename a image.
- **Delete:** Delete a image.
- **Delete All Files:** Delete all image.
- **Sort:** Select By Name, By Type, By Time, By Size or None.

Videos

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_Direction) Key.
3. On Multimedia screen, Select Videos and press OK(Center_Direction) Key to display the following information.



- Video Recorder
- Video Player

Record Video

1. On Video screen, Select Video Recorder and press OK(Center_Direction) Key to display the following information.

2. Press OK(Center_Direction) Key to Start Record Video. One More Press OK(Center_Direction) Key to suspend Record Video.
4. Press Stop(Right_Direction) Key to Stop Record Video.

Record Video Option

- CamCorder Setting:
  - White Balance: Select Auto, Daylight, Tungsten, Fluorescent, Cloud, or Incandescence.
  - LED Highlight: Select On or Off.
  - EV: Select EV +4 ~ -4.
  - Night Mode: Select On or Off.
  - Banding: Select 50Hz~60Hz.
- Video Setting:
  - Video Size: Select QCIF(176x144) or CIF(352x288).
  - Video Quality: Select Normal, Low, Fine or High.
  - File Size Limit: Select No Limit, 95k, 195k or 295k.
  - Rec Time Limit: Select No Limit, 15 sec, 30 sec or 60 sec.
  - Record Audio: Select On or Off.
  - Encode Format: Select Mpeg4 or H.263.
- Effect Setting: Select Normal, Grayscale, Sepia, Sepia Green, Sepia Blue, Color Invert, Gray Invert, Blackboard, Whiteboard, Copper Carving, Blue Carving, Embossment, Contrast or Sketch.
- Storeage: Select Phone or Memory Card.
- Restore Default: Select Restore Default Yes or No.

Play Video

1. On Video screen, Select Video Player and press OK(Center_Direction) Key to display the following information.
2. Select Phone or Memory Card. Select Video then press Option(Left_ Direction) Key to display the following information.

- **Play:** Play recorded video.
- **Forward:** Set as Screen Saver, Power On Display, Power Off Display, Phonebook, MMS, E-Mail or Bluetooth.
- **Rename:** Rename a image.
- **Delete:** Delete a image.
- **Delete All Files:** Delete all image.
- **Sort:** Select By Name, By Type, By Time, By Size or None.
- **Select Screen:** Select Horizontal or Vertical.

Photo Editor

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_Direction) Key.
3. On Multimedia screen, Select Photo Editor and press OK(Center_Direction) Key to display the following information.

Enables you to edit the photos saved in your handset.

Audio Player

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_Direction) Key.
3. On Multimedia screen, Select Audio Player and press OK(Center_Direction) Key.

4. Press List(Left_selection) Key and select audio file then press Option(Left_Direction) Key to display the following information.

- **Play:** Play audio.
- **Detail:** To view audio infomation.
- **Add To Rings:** Select audio file then press OK(Center_Direction) Key to finish
- **Refresh List**
- **Settings:**
  - **Play List:** Select From Phone or Card.
  - **List Auto Gen:** Select On or Off.
  - **Skin:** Select Skin 1~3.
  - **Repeat:** Select One, All or Off.
  - **Shuffle:** Select On or Off.

- **Background Play:** Select On or Off.
- **Equalizer:** Select Normal, Bass, Dance, Classical, Treble, Party, Pop or Rock.
- **Play Speed:** Select Normal, Fast, Fastest, Slowest or Slow.
- **Audio 3D Effect:** Select Concert, Shower, Church, Small Room, Opera, Bath Room or None.

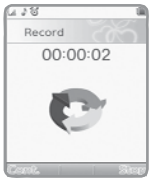
How to use the audio player

- / : To play or Pause the player.
- : To Stop Playing MP3 player.
- : To play the next file.
- : To play the previous file.
- : Select sound up and down use side volume key.

Sound Recorder

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Multimedia menu then press OK(Center_Direction) Key.
3. On Multimedia screen, Select Sound Recorder and press OK(Center_Direction) Key to display the following information.

Record Sound



1. On Sound Recorder screen, Select Phone or Memory Card and press OK(Center_Direction) Key to display the following information.
2. Press Option(Left_Direction) Key and select Record.

- Press Pause(Left_Direction) Key to pause to record sound.
- Press Stop(Right_Direction) Key to Stop to record sound.
- Press Cont.(Right_Direction) Key to Continue to record sound.

Recording Options

- **Record:** Start record
- **Play:** Play recorded file.
- **Append:** Start append record.
- **Rename:** Rename a recorded file.
- **Delete:** Delete a recorded file.
- **Delete All:** Delete all recorded files.
- **Settings:** Select AMR or WAV.
- **Forward:** Select To User Ringtone, To MMS, To E-mail or Bluetooth.

In Settings menu, you can specify all appearances of the mobile.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction). The icons are as shown below;

- Phone Setting
- Network Setting
- Security Setting
- Bluetooth
- Initialize User Setting

Phone Setting

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction).
3. On Setting screen, Select Phone Setting and press OK(Center_Direction) Key to display the following information.

- Sounds
- Display
- Language
- Time and Date
- Menu Style
- Preferred Input Mode

Note: In stand-by state of the screen, keep pressing #(sharp) for a few seconds to change the option to Vibrate mode, if you keep pressing #(sharp) for a few second again in manner mode it will change to the predefined mode.

Sounds

Tone Stup

Set Ring tone and other sound options.

- **Calls:** Select Ring Bell1~10 or Ring Melody 1~20.
- **Messages:** Select Silent or Tone 1~5.
- **Alarm:** Select Ring Bell 1~10 or Ring Melody 1~20.
- **Keypad:** Select Silent, Click, Tone, Custom Tone 1 or Human Voice Tone 1.
- **Power On:** Select Silent or Tone 1~2.
- **Power Off:** Select Silent or Tone 1~2.
- **Flip Open:** Select Silent or Tone 1~3.
- **Flip Close:** Select Silent or Tone 1~3.

Volume

Sets volume from Speaker & Earpiece and Ringer for hearing or speaking.

- **Calls:** Select calls volume 1~7.
- **Keypad:** Select keypad volume 1~7.

Alerts

Select Warning, Error, Camp On, Connect, Disconnect, Roaming and No Service.

- **Incoming call mode:** Select Ring, Vibration Only, Vibra and Ring, Vibra Then Ring or Light Only.

Display

Main Display

- **Greeting Text:** This is used to specify an initial greeting which will be shown on the screen for a few seconds when the phone is turned on.
  - **Status:** Select On or Off.
  - **Greeting Text:** Press Edit(Left_Direction) and input Greeting Text.
- **Banner:**
  - **Status:** Select On or Off.
  - **Banner Text:** Press Edit(Left_Direction) and input Banner Text.
  - **Banner Style:** Select Normal, Sliding, Change Color or Blinking.
  - **Banner Color:** Select Black, Red, Blue, White, Green or Gray.
  - **Banner Position:** Select Top, Center or Bottom.
- **Wallpaper:** Select an image to use a background screen.
- **Screen Saver:** Select an image to use a screen saver.
  - **Status:** Select On or Off.
  - **Waiting:** Select 5 Sec, 15 Sec 30 Sec or 1 Minute.
- **Themes:** Select Orange, Blue or Grey.
- **LCD Backlight:** Select 10, 20, 30, 40, 50, 60 Seconds or Always On.
- **Display Design:** Select Empty, Analog Clock, big Calendar or Small Calendar.

Sub Display

- **Banner:**
  - **Status:** Select On or Off.
  - **Banner Text:** Press Edit(Left_Direction) and input Banner Text.
  - **Banner Style:** Select Normal, Sliding, Change Color or Blinking.
  - **Banner Color:** Select Black, Red, Blue, White, Green or Gray.
  - **Banner Position:** Select Top, Center or Bottom.

- **Sub LCD Wallpaper:** Select an image (taken or saved in Picture file, or downloaded image) to use a background sub LCD screen.
- **Sub Analog Clock:** Select On or Off.

TV Out

- **Output Format:** Select PAL or NTSC.
- **Adjust:**
  - **Gamma Y:** Adjust Gamma Y use left/right direction key.(0~4)
  - **U:** Adjust U use left/right direction key.(1~255)
  - **V:** Adjust V use left/right direction key.(1~255)

Airplane Mode

After you select Airplane Mode on, you cannot call or receive calls. This mode supports use of these features in environments where transmitters or recevers are not allowed, such as on an airplane.

Power On Display

Select an Animation to use a background screen when power on.

Power Off Display

Select an Animation to use a background screen when power off.

Language

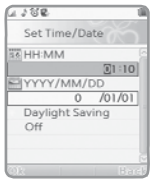
Where you can choose a language you want to use. (If a language is selected, all menu options, option Key, message, form, etc. will be displayed in the language selected) Available languages are as follows:

- English
- Chinese

Time and Date

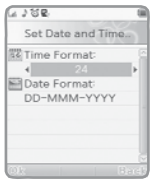
1. **Set Home City:** Select home city in list.

2. **Set Time/Date:**



- **Time:** Input Time use number key.
- **Date:** Input Date use number key.
- **Daylight Saving:** Select On or Off.

3. **Set format:**



- **Time Format:** Select 12 or 24.
- **Date Format:** Select DD-MMM-YYYY, DD/MM/YYYY, MM/DD/YYYY. YYYY/MM/DD, YYYY-MM-DD or MMM DD. YYYY.

Menu Style

Select Page or List.

Preferred Input Mode

Select Multitap ABC, Multitap abc or Numeric.

Network Setting

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction).
3. On Setting screen, Select Network Setting and press OK(Center_Direction) Key to display the following information.

- Select Mode
- Preferred
- Select Band
- GPRS Connection

Select Mode

Select Automatic or Manual.

Preferred

It helps you to define PLMN list in preferred sequence.
Select Preferred on Network screen and press OK(Center_Direction) (See < Setting communication network environment> for the route to this option>). Preferred is as shown below;

PLMN communication network connected will be displayed on this screen in preferred sequence.
Available option buttons are as follows:

- **Insert:** Allows you to attach communication network code preferred.
  Input 5 digits of communication network code and press OK(Center_Direction) Key. The code just specified will be input in front of the communication network code specified prior to this process.
- **Move:** Moves a code onto other list. First, select a desired code and press option(Left_selection) Key. Then select Move and press OK(Center_Direction) Key. On Table of contents screen, a
  location desired on the list shall be specified. Press OK(Center_Direction) Key to finish.
- **Delete:** Deletes desired communication code from communication network list. Select communication network code to delete from the preferred. Choose its option and press Delete and Enter. Then press Yes(Left_selection) to confirm.

Select Band

This option is used to set environment of the phone in order to search for communication network automatically or by hand.
Select 850, 1800, 1900, 850/1800, 850/1900 or Auto.

GPRS Connection

Select Always or When Needed use press Change(Left_Direction) Key.

Security Setting

The security settings enable you to restrict the use of your phone to specific people and types of calls. Codes and passwords are used to protect these features of your phone.
Your phone's security features keep your phone and SIM card safe from unauthorized use, and you can either set a password for your phone or use the call barring service and Fixed Dialing mode to restrict which calls can be made using your phone.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction).
3. On Setting screen, Select Security Setting and press OK(Center_Direction) Key to display the following information.

- SIM Lock
- Phone Lock
- Auto Keypad lock
- Fixed Dial
- Barred Dial
- Change Password

SIM Lock

Lock SIM card is used to keep the phone from robbed. If environment of the phone is specified only for a specific SIM card, it will not be compatible with any other SIM card.
The phone will have specific SIM code when SIM code of a specific SIM card is saved in phone memory. When the phone is turned on and when SIM card is inserted in the phone, it will be checked if identical to SIM code saved in the phone. if not identical, emergency call mode only is available. Correct password of 4 digits shall be input. Setting Phone Lock On or Off use On/Off(Left_Direction) key.

Note: 3 chances are allowed for you to input correct PCK code. If all failed, PCK will be locked and you shall turn the phone off and then on.

Note: If you try to turn the phone on with different SIM card while SIM is set locked, the phone will show a message. <This is an invalid SIM card> Emergency call only will be available again.

Phone Lock

This function allows you to lock your phone until the correct password is input. Correct password of 4 digits shall be input. Setting Phone Lock On or Off use On/Off(Left_Direction) key.

Auto Keypad Lock

Select None, 5 Sec, 30 Sec, 1 min or 5 min.

Fixed Dial

Fixed Dialing is a service that limits your access to specific numbers in the address Book list recorded on the SIM, input the PIN2 to set up or cancel this service.

- On
- Off
- **Fixed Dial List:** Display the numbers recorded in the Fixed Dialing list.

Barred Dial

This Function Offers multiple methods to limit incoming or outgoing calls. In general, the barring service becomes activated by interoperating with the network, but phone barring is made by the phone itself. Major functions are as follows.

- **Incoming:** Limits all incoming calls
  - **On:** Sets up all incoming calls barring.
  - **Off:** Cancels all incoming calls barring.
- **Outgoing:** Limits all outgoing calls. When you attempt to make a call that has the prefixed number that you previously registered, the call is barred.
  - **Bar all:** Sets up all outgoing calls barring.
  - **Bar Prefixed:** Adds and deletes the prefixed number.
  - **Off:** Cancels all outgoing calls barring including the bar prefixed.

Change PIN 1 & 2

In case you don't like the password 1 or 2 which was input in your phone, you can easily change it.

1. Select Change PIN 1 or 2 on Change Password screen and press OK(Center_Direction) Key.
2. A message will be displayed, saying <Input old PIN>. Then input the previous password and press OK(Center_Direction) Key (You have 3 chances only. If the third password is incorrect again, the phone will be locked).
3. A message will be displayed, saying <Input new PIN>. Then input new

4-digit password and press OK(Center_Direction) Key.

4. A message will be displayed again, saying <Verify new PIN>. Then input new 4-digit password again and press OK(Center_Direction) Key. If they are identical, your password has been changed. If they are not identical for 2 times, a message <You must enter same PIN> will be displayed, which means restart of the process from the beginning.

Change Password

1. Select Phone Lock on Change Password screen and press OK(Center_Direction) Key.
2. Input Old Password of 4 digits then press OK(Left_Direction) Key.
3. Input New Password of 4 digits then press OK(Left_Direction) Key.
4. Input New Password of 4 digits again then press OK(Left_Direction) Key.

Bluetooth

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction).
3. On Setting screen, Select Bluetooth and press OK(Center_Direction) Key to display the following information.

- **Device Searching:** You can connect to the Phone with Dongle if there is no other Device already connected.And you should input the PIN to connect with new installed device, but no need to use the PIN if you want to connect with already installed device.First you can see ‘ Remove Activated Device First’ if there is a device that has alread installed.

1. First,Power on the Blue tooth Headset.
2. Connect the Dongle to the Phone.
3. It will detect the device and initiate.
4. Press ‘ My device’ and you will see every devices that Phone can detect.
5. Select your device then it will pair the device. Please try again if you can not.
6. You should input the PIN.No need to use the PIN if you want to connect with already installed device.

Note: If you have any problem to use the blue tooth device, please try again form the first.

- **My Device:** It list up the every device near the phone.

1.If the phone do not found any device, it will display the ' Empty Device'
2.Press Option if the Phone found the Device.

- **Status:** It shows the connection status. You can re connect if the status is disconnected, and can remove it if the status is connected.
- **Delete:** You can delete the device if it doesn't connected, it will display ' Remove Activated Device First' when the device is already connected.

- **My Change:** It can change the mode from Master to slave mode, and same as slave to master mode. ' Mode Change' can be used if user wants to use other type of Device, such as PC(eg. to use Dial-up connection....)

Note:
- **Master:** It is the main device.
- **Slave:** It is the sub device.

Note:
- If the blue tooth Dongle is connected. the Battery will drain little bit more than the normal case.
- You must press two time,if the Dongle is in the sleep mode to wake up the Dongle.
- There are some feature that can't use with blue tooth headset.
- You can connect the device one by one in a time, and if you want to use other device you must delete the first one.
- When user are in the state of call with Bluetooth headset already connected,it can be switched from Bluetooth headset to Phone speaker and Phone speaker to Bluetooth headset by pressing ' Camera key (lateral)'

Initialize User Setting

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Setting menus icon and then press OK(Center_Direction).
3. On Setting screen, Select Initialize User Setting and press OK(Center_Direction) Key to display the following information.
4. Input passward use number key.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.
2. Use the direction Key to select Service menu then press OK(Center_ Direction) Key.

WAP

- **Homepage:** To display homepage.
- **Bookmarks:** This provides easy website access without entering a URL.
- **Recent Page:** To Allows the user to refresh the current URL.
- **Enter Address:** Input the current URL.
- **Service Inbox**
- **Settings:**
  - **Edit Profile:** Select FET, CHT, TCC, TAT, CHINA MOBILE or Profile 6~10.
  - **Browser Options:**
    - **Timeout:** Input 15~300.
    - **Show Image:** Select On or Off.
  - **Service Message:** Select On or Off.
  - **Clear Cache:** Select Yes(Left_selection) Key to clear cache.
  - **Clear Cookies:** Select Yes(Left_selection) Key to clear Cookies.
  - **Trusted Cetificates**

Data Account

- **GSM:** Displays environmental setting of GSM connection and specifies number to call, type of terminal (analog or digital), and inactive duration till the service is available.
- **GPRS:** Helps to change the address of APN or communication network.

Special

SMS news, Mail & Fax, MyMoney and Extras.

Technical Specifications

Physical Parameters

- Weight: less than 77 grams including standard battery.
- Dimension: 87 X 45 X 20.5 mm.

Battery

- Type: Lithium Ion.
- Capacity: 660mAh.
- Load time: Maximum 200 min.
- Standby time (DRx=): Up to 80 hours in standard mode.
- Talk time: Up to 150 min.

CAMERA

- Resolution: VGA.

RF Characteristic

- GSM Tri-band 850/1800/1900.

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS
.POTE NTIALLY 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 cauls e an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DIVICES
Certain electronic equipment may be shielded against RF signal from you wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health c are 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 couching any exposed part of the body when making a call.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

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

SAR INFORMATION

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

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

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.573 **W/Kg** and when worn on the body , as described in this user guide, is **0.521 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: UDTSP-770**

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Asso-ciation (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 sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

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

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

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

FCC Compliance Information

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

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