Draft of MMS

Select Save as Draft to save a MMS to Draft box.

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

Delete Folder

Deletes all Messages from selected folder or Delete all folder at once.

- **Inbox**
- **Outbox**
- **Sent**
- **Drafts**
- **Delete All Folders**

Template for SMS

Select a pre-written Template above the list. You can easily edit the prewritten templates as you need.

Template for MMS

Select a Template menu and press Option(Left_selection) Key.

- **View:** View the message.
  - **Play:** Play MMS.
  - **Save Image As:** Save image in phone or Memory card.
  - **Save Audio As:** Save audio in phone or Memory card.
- **Properties:** Shows a properties.
- **Write Message:** Writes a new MMS template.

SMS Message Settings

- **Profile Setting:** In Profile setting, you can change the Name of profile, number of SMS Center, Valid period and message type.
- **Common Setting:** Can enable or disable Delivery report and Replay Path.
- **Memory Status:** It shows the memory status of SIM and Phone about the SMS message.
- **Preferred Storage:** You can select the Storage for current saving point. Select SIM of Phone.
- **Pref. Bearer:** You can Select the Bearer above Prefer GPRS, Prefer GSM, GPRS Only and GSM Only.

MMS Message Settings

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

- **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.
- **Sending:**
  - **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, 24 hours, 72 hours, 1 week and
    the maximum are available for the period.
    The maximum has been previously established by
    its service provider.
  - **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:**
  - **Anonymous:** Whether Allow or reject Unknown Message.
  - **Max Size:** Input 11~300 KB.
  - **Advertisement:** Whether Allow or reject advertisement Message.
- **Edit Profile:** Select Profile1 ~10 to edit.
- **Memory Status:** This function displays the amount of used and available memory on your phone.

● 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_selection) Key.

5. Select Chat Room Info. Set nickname and remote number then press OK(Center_Direction) Key.

6. Select Start New and send message.

● 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.

Edit

Edit a Name and Number of Voicemail server.

Connect to Voice

Connect to Voice mail server.

● 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.

The following is to describe the option.

- **Reception:** Allows you to receive Broadcast messages if this option is selected. (Default is set to off)
- **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.
- **Languages:** Selec All Languages, SPANISH, DUTCH or DANISH.

• **Channel:** Defines a channel to receive this kind of messages. Select a new channel from the list to display on screen anduse 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.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.

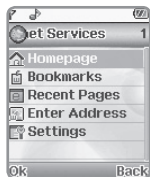2. Use the direction Key to select Service menu then press OK (Center_Direction) Key.

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

- **WAP**
- **Data Account**

● WAP

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.

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

The following is to describe the option.

- **Homepage:** Goes to homepage directly.
- **Bookmarks:** This provides easy website access without inputting a URL again.
- **Recent Page:** To Allows the user to goto the URL, which you recently connected.
- **Enter Address:** Input the current URL.
- **Settings:**
   - **Edit Profile:** Select the Profile 1~10 and edit.
   - **Browser Options:**
      - **Timeout:** The Timeout is disconnection time when there are no response in GPRS connection. Input 15~300.
      - **Show Image:** The Show Image is the choice of viewing an image in WAP connection. 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 Certificates:** Shows certification.

● Data Account

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.

3. On Service screen, Select Data Account and press OK (Center_Direction) Key to display the following information.

The following is to describe the option.

   • **GSM Data:** 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.

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**
- **Audio Player**
- **Image Viewer**
- **Video Recorder**
- **Video Player**
- **Photo Editor**
- **Sound Recorder**

● 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.

The following is to describe the option.

- **From menu:** On the menu screen,select multimedia then 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:** Keep pressing and hold the upper side volume key in stand-by screen.

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.

The following is to describe the option.

- **Album:** Image album.
- **Camera Setting:**
  - **Flash:** Select On or Off.
  - **Shutter Sound:** Select Sound 1~3 or Off.
  - **EV:** Select EV +4 ~ -4.
  - **Banding:** Select 50Hz or 60Hz.
  - **Delay Timer:** Select 5 sec, 10 sec, 15 sec or Off.
  - **Cont Shot:** Select 1 Shot, 3 Shot, 5 Shot or Off.
- **Image Setting:**
  - **Image Size:** Size of image that you want to shoot 128x160, 160x120, 320x240 or 640x480.
  - **Image Quality:** Select Normal, high or low.
- **White Balance:** Select Auto, Daylight, Tungsten, Fluorescent, Cloud or Incandescence.
- **Scene Mode:** Select Auto or Night.
- **Effect Setting:** Select Normal, Grayscale, Sepia, Sepia Green, Sepia Blue, Color Invert, Gray Invert, Blackboard, Whiteboard, Copper Carving, Blue Carving, Embossment, Contrast or Sketch.

- **Add Frame:** Select Off or Frame 1~10.
- **Restore Default:** Select Restore Default Yes or No.

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

● 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_selection) Key to display the following information.

The following is to describe the option.

- **Play:** Play audio.
- **Detail:** To view audio information.
- **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 desired, One, All or Off.
  - **Shuffle:** Select On, it will play randomly.
  - **Background Play:** Select On or Off.
  - **Equalizer:** Select Normal, Bass, Dance, Classical, Treble, Party, Pop or Rock.

How to use the audio player
• To play or Pause the player use Center of the direction key.
• To Stop Playing MP3 player use Lower of the direction key.
• To play the next file use Right of the direction key.
• To play the previous file use Left of the direction key.
• Select sound up and down use side volume key.

How to list up to the play list
To list up the audio file to play list, use USB cable.

1. Connect the USB cable with Phone and PC.

2. After connecting the USB cable, you can access to Phone memory and Memory card.

3. Copy the audio file to 'My Music' then you can list up the play list into the audio player.

Note: In power off state you can access to both Phone and Memory card memory. However, in power on state, you can only access to memory card memory.

● Image Viewer

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 Viewer and press OK (Center_Direction) Key to display the following information.

Image Options

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

- **View:** View an image.
- **Browse Style:** Select List Style or Matrix Style.
- **Image Info:** View an image information.
- **Forward:** Set as Wallpaper, Sub Wallpaper, Screen Saver, Power On Display, Power Off Display, Phonebook, MMS, E-Mail or Bluetooth.
- **Rename:** Rename an image.
- **Delete:** Delete an image.
- **Delete All Files:** Delete all images.
- **Sort:** Select By Name, By Type, By Time, By Size or None.
- **Storage:** Select Phone or Memory Card.

● Video 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 Video Recorder and press OK (Center_Direction) Key to display the following information.

Record Video

1. On Multimedia 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.

3. Press Stop(Right_Direction) Key to Stop Record Video.

Record Video Option
- **To Player:** Video player settings.
- **CamCorder Setting:**
    - **White Balance:** Select Auto, Daylight, Tungsten, Fluorescent, Cloud, or Incandescence.
    - **EV:** Select EV +4 ~ -4.
    - **Night Mode:** Select On or Off.
    - **Banding:** Select 50Hz~60Hz.
- **Video Setting:**
    - **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.
- **Restore Default:** Select Restore Default Yes or No.

How to use the Video Recorder
- To Start Video Record or Pause Video Record use Center of the direction key.
- To Stop Video Recording use Right_selection.
- To adjust EV use Left and Right of the direction key.
- To adjust Zoom mode use Upper and Lower of the direction key.

● Video 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 Video Player and press OK
(Center_Direction) Key to display the following information.

Video Player Options

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

2. Select Video then press Option(Left_selection) Key to display the
following information.

The following is to describe the option.

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

In Addition, on Video player, press option to display the following information.

- **Brightness:** Available to tune the Brightness, -5 to +5.
- **Contrast:** Available to tune the Contrast, -5 to +5.
- **Auto repeat:** Set the auto repeat function on or off.

How to use the Video Recorder
- To Play Video Record or Pause Video the use Center of the direction key or Left_selection.
- To Stop Video use Right_selection.
- To adjust Play speed use Upper and Lower of the direction key.
- To move to Forward use Right of the direction key.
- To move to Backward use Left of the direction key.

● 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.

● 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_selection) Key and select Record.

• Press **Pause Key**(Left_selection) to pause the record sound.
• Press **Stop Key**(Right_selection) to Stop the record sound.
• Press **Cont. Key**(Left_selection) to Continue the record sound.

Recording Options

- **Record:** Start record.
- **Play:** Play recorded file.
- **Append:** Can append to pre-recorded audio file. Select recorded file then start append record.
- **Rename:** Rename a recorded file.
- **Delete:** Delete a recorded file.
- **Delete All:** Delete all recorded files.
- **Settings:** Select recording format. AMR,AWB or WAV.
- **Forward:** Select To User Ringtone, To MMS, To E-mail or Bluetooth.

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**
- **Greeting Text**
- **Health**
- **Melody Composer**

● Java

In Java menu, you can use JAVA contents and can also change the
settings.

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.

Java Contents

You can execute the java application which has installed.

Java Setting

- **Profile:** Edit the JAVA profile.
- **Java Contents:** Inbox for JAVA applications.
- **Java Setting:** Edit a setting for JAVA
  - **Java Audio:** Set off or 0 to 6.
  - **Java Vibration:** Set on or off.
  - **Java Network:** Select the profile Profile1~Profile10.
  - **Heap Size:** Informs a heap size.

● My Games

In My Games, you can choose desired game to play.

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.
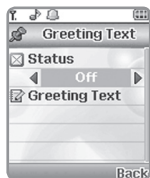

The following is to describe the option.

- **Copter**
- **Puzzle**
- **Game Setting**

● 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.

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 Greeting Text and press OK (Center_Direction) Key to display the following information.

The following is to describe the option.

• **Status:** Select On or Off.
• **Greeting Text:** Press Edit(Left_selection) and input Greeting Text.

● Health

In Health, you can use the stopwatch in Split, Lap and also can view a record.

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 check your BMI and menstrual.

BMI

The following is to describe the option.

- **Select Male or Female.**
- **Input Height (Cm) using numeric key.**
- **Input Weight (Kg) using numeric key.**

If all information has input, press OK to get the BMI result.

Menstrual

The following is to describe the option.

• **Input Last Mens Date.**
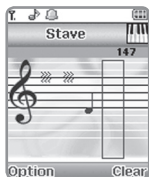• **Input Average Period using numeric key.**

If all information has inputted, press OK to get the Menstrual result.

● 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 Add to make a new Melody.

2. Press Option(Left_selection) Key.

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

4. If you want to delete a musical note press Clear(Right_ selection) Key.

5. Press option(Left_selection) Key. The following is to describe the option.

The following is to describe the option.

- **Play:** Play the 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 the created melody.

The 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;

The following is to describe the option.

- **Calendar**
- **Alarm**
- **Calculator**
- **Unit Converter**
- **Stopwatch**
- **World Clock**

● 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_selection).

   • **Date:** Set date.
   • **Time:** Set time.
   • **Note:** Press Edit(Left_selection) Key then input a memo.
   • **Alarm:** Select On or Off.
   • **Repeat:** Select Once, Every Day, Day(Monday~Friday and or Weekends), Weekly or Monthly.

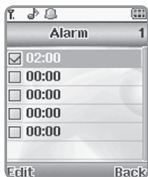*3*. Press Done(Right_selection) then select Yes(Left_selection) to finish.

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).

● Alarm

In Alarm, you can set alarm to alert in settled days and time.

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

The following is to describe the option.

- **Set:** Select On or Off.
- **Time:** Set time.
- **Repeat:** Select Once, Every Day or Day(Monday~Friday).
- **Tone:** Select Tone.
- **Snooze(Mins):** Select snoozing duration.
    - Set as Default or 1~10minutes.
- **Ringtone mode:** Select the mode above, Vibration only, Vibra and Ring and Ring.

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

● 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 multicalculation. 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**

In Unit Converter, you can get a Weight and Length in converted value.

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.

The following is to describe the option.

- **Weight:** kg <-> g, kg <-> t or etc.
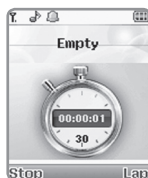- **Length:** km <-> inch, ft <-> or etc.

● 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

In Typical Stopwatch, you can use the stopwatch in Spilt, Lap and also can view a record.

Split Timing
- To start, press Start(Left_selection) Key.
- To Stop, press Stop(Left_selection) Key.
- To Resume, press Resume(Left_selection) Key.
- To Split, press Split(Right_selection) Key.
- To Save Split time, press Back(Right_selection) Key then select Yes(Right_ selection). Input Save Stopwatch title and press Option (Left_ selection) then select Done.

Lap Timing
- To start, press Start(Left_selection) Key.
- To Stop, press Stop(Left_selection) Key.
- To Resume, press Resume(Left_selection) Key.
- To Lap, press Split(Right_selection) Key.
- To Save Lap time, press Back(Right_selection) Key then select Yes (Right_selection). Input Save Stopwatch title and press Option (Left_selection) then select Done.
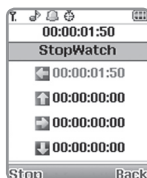
View Record
- **View:** View a record.
- **Delete:** Delete a record.
- **Delete All:** Delete all record.

To clear the list, please press the Clr key.

nWay Stopwatch

In nWay Stopwatch, you can use each 4 stopwatches by using Navigation key.

- • First, start/stop/resume by (Left_Direction) Key.
- • Second, start/stop/resume by (Upper_Derection) Key.
- • Third, start/stop/resume by (Right_Derection) Key.
- • Forth, start/stop/resume by (Lower_Derection) Key.

To clear the list, please press the Clr key.

● World Clock

In World clock, you can set Daylight to get a right time for each Capitals.

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_selection) Key to Daylight Saving Time for Foreign City On or Off.

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;

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

- **Phone Setting**
- **Network Setting**
- **Security Setting**
- **Call Settings**
- **Text message**
- **Time and Date**
- **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.

The following is to describe the option.

- **User Profiles**
- **Display**
- **Language**
- **Preferred Input Mode**
- **Airplane Mode**

User Profiles

Set Sounds General, Meeting, Outdoor, Indoor, Headset and Bluetooth.

- **Activate**
- **Customize**

Tone Setup
Set Ring tone and other sound options.
- **Calls:** Select Ring Bell1~10 or Ring Melody 1~20.
- **Alarm:** Select Ring Bell 1~10 or Ring Melody 1~20.
- **Power On:** Select Silent or Tone 1~10.
- **Power Off:** Select Silent or Tone 1~10.
- **Messages:** Select Silent or Tone 1~10.
- **Keypad:** Select Silent, Click, Tone or Custom Tone 1.

Volume
Sets volume from Speaker & Earpiece and Ringer for hearing or speaking.
- **Ring:** Adjust Ringtone volume 1~7.
- **Keypad:** Adjust keypad volume 1~7.

Ringtone mode
Select Ring, Vibration Only, Vibra and Ring, Vibra Then Ring or Light Only.

Ring Type
Select Single, Repeat or Ascending.

Extra Tone
Select Warning, Error, Camp On or Connect.

Answer Mode
Select Any Key On or Off.

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_selection) and input Greeting Text.
- **Wallpaper:** Select an image to use a background screen.
- **Screen Saver:** Select an image to use a screen saver.
  - **Setting:** Select On or Off.
  - **Select:** 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.
- **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:

- **Automatic**
- **English**

Preferred Input Mode

Select preferred input mode in default usage.

- **Multitap ABC**
- **Multitap abc**
- **Multitap Abc**
- **Numeric**

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 receivers are not allowed, such as on an airplane.

● 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.

The following is to describe the option.

- **Select Mode**
- **Preferred**
- **GPRS Connection**

Select Mode

In this menu, you can search the network and select the mode, 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:

- **Add from List:** Can select PLMN from the list.
- **Create new:**
  - **MCC/MNC:** Input a MNC and MCC code.
  - **Priority:** Change the priority.
- **Change priority:** Allows you to change the Priority
- **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.

GPRS Connection

Select Always or When Needed use press Change(Left_selection) 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.

The following is to describe the option.

- **PIN Lock**
- **SIM Lock**
- **Phone Lock**
- **Auto Keypad Lock**
- **Fixed Dial**
- **Barred Dial**
- **Change Password**

121

PIN Lock

PIN Lock is used to keep the phone from robbed. If the PIN Lock is enabled, the SIM will be locked by PIN code and User must put a PIN code to power on the Phone.

SIM Lock

Same as PIN Lock, SIM Lock is used to keep the phone from robbed. If the SIM Lock is enabled, 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 8 digits shall be input. Setting Phone Lock On or Off use On/Off(Left_Direction) key.

Note: 10 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 Mode:** To enable the FDN mode, input the PIN2 first.
- **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 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_selection) Key.
3. Input New Password of 4 digits then press OK(Left_selection) Key.
4. Input New Password of 4 digits again then press OK(Left_selection) Key.

● Call Settings

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 Call Settings and press OK(Center_Direction) Key to display the following information.

The following is to describe the option.

- **Caller ID**
- **Call Waiting**
- **Call Forwarding**
- **Call Restriction**
- **Call Time Reminder**
- **Auto Redial**

Caller ID

This service is used to make to display the Caller's ID(number or Name) when incoming call is coming.

- **Set By Network:** Send or Hide by Network.
- **Hide ID:** Do not send a ID to Network.
- **Send ID:** Send a ID to Network.

Call Waiting

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

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

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 sub-menus as follows;

- **Divert All Voice Calls:** Forwards all voice call.
- **Divert If Unreachable:** Forwards all calls in no service area.
- **Divert If No Answer:** Forwards all calls in absence, the mode will activate if call is not answered.
- **Divert If Busy:** Forwards all calls during connected with other phone.
- **Divert All Data Calls:** Forwards all data calls.
- **Cancel All Divert:** Deactivates all Call Forwarding.

Call Restriction

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

- • **Outgoing Calls:**
    - **All Outgoing:** Restricts all outgoing calls, which is controlled by password.
    - **International Outgoing:** Restricts all outgoing calls to abroad, which is controlled by password.
    - **International Expect Home**
- • **Incoming Calls:**
    - **All Incoming:** Restricts all incoming calls which is controlled by password.
    - **When Roam:** Restricts a call when in a Roaming state.
- • **Cancel All:** Cancel all the pre-set restricts, which is controlled by password.
- • **Change Password:** In order to change password for call Restriction, 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).

Call Time Reminder

- **Off**
- **Single:** You can easily set the single alert time. (1~3000Sec.)
- **Periodic:** You can easily set the periodic alert time. (30~60Sec.)

Auto Redial

If this function is selected, dialing will repeats automatically if the connection has 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 do not want to use this function, press On(Left_selection) Key, or press OK(Center_Direction) Key to select Off.

● Text Message

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 Text Message and press OK (Center_Direction) Key to display the following information.

The following is to describe the option.

- **Profile Setting**
- **Common Setting**
- **Memory Status**
- **Preferred Storage**
- **Pref. Bearer**

Profile Setting

In Profile setting, you can change the Name of profile, number of SMS Center, Valid period and message type.

Common Setting

Can enable or disable Delivery report and Replay Path.

Memory Status

It shows the memory status of SIM and Phone about the SMS message.

Preferred Storage

You can select the Storage for current saving point. Select SIM of Phone.

Pref.Bearer

You can Select the Bearer above Prefer GPRS, Prefer GSM, GPRS Only and GSM Only.

● Time and Date

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 Time and Date press OK (Center_Direction) Key to display the following information.

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

5. **Set Time/Date:**

- **Time:** Input the Time using with numeric key.
- **Date:** Input the Date using with numeric key.
- **Daylight Saving:** Select On or Off.

6. **Set format:**

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

● 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.

- **Power:** Power on or off the Bluetooth Function
- **Inquiry Audio device:** Searching the Audio device, which is in possible range.
- **My device:** Searching the All Bluetooth device, which is in possible range.
- **Active Device:** Shows activated device.
- **Setting:**
  - **Visibility:** Shows own device to remote Devices.
  - **Change Device Name:** Can edit the Device name.
  - **Authentication:** It only accept reception when the authentication has enabled
  - **Audio Path:**
    - **Forward to BT Headset:** If this function is enabled, it is possible to have a communication with Headset.
    - **Leave in Phone:** Even if a Bluetooth Headset is connected, the communication is possible with Phone speaker.
  - **FTP Setting:**
    - **Shared Folder:** All the received files will stored in Shared Folder. User can change default folder to desired folder.
    - **Access Folder:** Default setting is Read Only, and changeable to Fully Controlled.
- **About:** Shows a Information about Bluetooth function.

● Initialize User Setting

It initialize the phone, only user setting value to default.

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 password using numeric key.

1. In stand-by state, press menu(Left_selection) Key to display main menu option.

2. Use the direction Key to select File Manager menu then press OK(Center_Direction) Key.

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

- **Phone**

Note: In file manager, you can easily open, delete, copy and move the files to Phone.

Technical Specifications

Physical Parameters

- **Weight:** Less than 88 grams including standard battery.
- **Dimension:** 97.5 x 51 x 13.5 mm

Battery

- **Type:** Lithium Ion.
- **Capacity:** 650mAh
- **Load time:** Maximum 210 min
- **Standby time:** Up to 171 hours in standard mode.
- **Talk time:** Up to 162 min

Note: Regarding the condition of the network, the battery life can be more shorter than a normal case.

CAMERA

- **Resolution:** 3.0Mega

RF Characteristic

- **GSM Tri-band 900/1800/1900**

Memo

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 1.27 **W/Kg** and when worn on the body , as described in this user guide, is **0.925 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: UDTSP500.**

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.