

FCC RF EXPOSURE INFORMATION

Read this information before using your phone

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device has been tested for body-worn operation and meets FCC RF exposure guidelines when positions the handset at a minimum of 2.0cm from the body.

Body-worn operations are restricted to belt-clips, holsters or similar accessories that have no metallic component in the assembly and must provide at least 2.0 cm separation between the device and the user's body. Use of other accessories may not ensure compliance with FCC RF Exposure guidelines.

CHAPTER 1. Getting Started

1. Safety Precautions

To avoid personal injury and loss of property, please read and follow the safety label precautions carefully.

 Warning Label	If you do not follow the directions marked with this label, it may cause personal injury or loss of property to be severe or fatal.
 Caution Label	If you do not follow the directions marked with this label, it may cause personal injury or loss of property to be slight or serious in nature.
 Note	If you do not follow the directions marked with this label, it may cause some personal injury or loss of property.

Warning

Do not use the mobile phone while driving a vehicle.

To use a phone, park the vehicle first. Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop. Remember road safety always comes first!

Avoid long use of the phone near any parts of the body for long-term health issues.

This product complies with the EMI regulations of the government, but the consumer should be advised to practice a policy of prudent avoidance to any health issues that can be caused by electromagnetic wave.

Switch off your phone near flammable liquids, gases or explosive materials and obey all signs and instructions.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not touch the lower side of the battery on the phone and the exposed power connector of the charger with wet hands.

Be careful not to place any conducting materials such as rings, necklaces, and coins on the exposed power connector of the charger. There is a danger of electrical short, which may cause fires or electric shocks.

Do not impact or puncture the battery with sharp devices such as nail, etc.

Do not impact or throw the phone.

Do not cover the charger with any cloth or bedding while charging the battery. There is a danger of over heating, or fires.

Keep the phone out of fires, high temperatures, and, direct sun for long period of time, which may cause damage to the phone.

Do not leave the phone in a vehicle during the hot summer, and do not dry the phone in a heater, or microwave oven. There is a danger of explosion, or fires.

Do not use the phone during a thunderstorm. There is a danger of lightning damage, or electric shocks, therefore, unplug the power cord from the charger.

Do not pull the power cable forcibly, and do not place heavy object especially equipment on the cable. The damaged power cable may cause fires and electric shock.

Plug the power cable firmly, and unplug the cable holding the plug properly. Damage cable may cause over heating and fires.

The liquid from the inside of the battery will burn the eyes. If the liquid makes contact to the human eye, it can cause damage to the eyes including blindness. In this case, do not rub them without rinsing them first with clear water, and consult your doctor.

Do not stick your phone's earpiece into the ear. There is danger of damaging your hearing by loud sounds such as ring tone, the voice of your correspondent, etc.

Do not speak too loud into the phone. There is a danger of damaging the hearing of your correspondent.

Do not look into the beam of light emitted from the infrared light unit during the operation. There is a danger of damaging your eyes.

Caution

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference to electronics or equipment.

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may damage the unit or the user and may invalidate any warranty, which may apply to the unit.

Check regularly that all mobile phone equipment in your vehicle is properly mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of mobile phones in aircraft may be dangerous to the operation of the aircraft, and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Be careful not to swallow the parts of the phone including antenna, earphone, rubber covers, especially for children. There is a danger of suffocation and injury.

Since swallowing or winding the earphone around the neck may cause suffocation and injury, do not use the earphone for other purpose except for phone call.

Keep the phone and all its parts and accessories out of the small children's reach. There is a danger of injuring the children or damaging the phone. If a child has to use the phone, please tell him how to use it with precautions.

Putting the phone or battery in the mouth or using damaged battery may have an affect on the human body, and it may cause electric shocks, and exposure to the electromagnetic wave.

Be careful not to wet the phone, battery, charger and other accessories. There is a danger of heat, electric shocks, and damage to the product. Pressing the power button of the wet phone may cause serious damage to the internal circuit of the phone.

Note

Carrying the phone by wearing the necklace connected to the phone may cause injury including disc of the neck.

Use the phone in the right posture as with other mobile radio transceivers to ensure operation for your safety.

This mobile phone does not guarantee phone call connection in all conditions. This phone, like any other mobile phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any mobile phone for essential communications (for example, medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all mobile phone networks or when certain network services and/or phone features are in use. Check with local service providers.

Before attempting emergency calls, please check that the phone has been charged appropriately. If the phone is discharged completely, you cannot make a call including emergency call. In this case, replace the battery with charged one to make a call.

Switch off your phone in medical facility and hospital.

Operation of any radio transmitting equipment, including phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Pacemaker manufacturers recommend that a minimum separation of 20 cm (6 inches) is maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 20 cm (6 inches) from their pacemaker when the phone is switched on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Some digital mobile phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Pulling the hand string with strength while the hands string is connected to the phone may cut the string and may cause damage to the phone, injury such as bruise and bone fracture, and damage to properties.

Be careful when you using the phone necklace because it may caught in a door of a building or vehicle such as car and subway as it closed and may cause injury

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, and air bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Note that standing up, sitting down, falling down while carrying the phone in your pocket may cause injury to yourself or other person or may cause damage to the phone.

The performance of mobile phones might be affected by radio interference.

Use only accessories and batteries authorized or provided by the phone manufacturer.

Do not connect incompatible products to the phone.

Before connecting the phone with a device, please read safety instructions in the manual of the device.

Do not connect incompatible products.

Before making a call, switch the phone on and ensure that you are in the service area.

If it is not in idle mode, press "Exit" to go to idle mode, input emergency call number, and press "Send" button. Say your location, and do not cut off the call until given permission to do so.

Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

Do not use or store it in dusty, dirty areas as the moving parts of the phone or accessories can be damaged.

Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.

Do not drop, knock or shake it. Rough handling can break internal circuit boards.

The battery can be charged and discharged repeatedly but it will eventually wear out. When the operating time (talk-time and standby time) is shorter than half of the normal, it is time to buy a new battery.

For higher call quality, do not touch or hold the antenna with your body during call connection.

Note that shaking or rolling the antenna when it is up may cause the damage to the phone or antenna, degrade signal sensitivity, cause personal injury, and cause loss of property.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Since it may cause discoloration of the phone or may cause affect to the performance of the phone or accessories, wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Do not paint it. Paint can clog the device's moving parts and prevent proper operation.

If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility.

Storing the phone with magnetic materials may cause abnormal operation, and keeping magnetic cards such as credit and transport card close to the phone may cause loss or damage of the information of the cards.

Since broken antenna may cause injury, replace the broken parts at your nearest qualified service facility.

Using unauthorized antennas may affect the operation of the phone and invalidate warranties.

Be careful using this phone because long usage may generate heat.

Be careful using this phone for messaging or game using because long term use of the phone may cause personal injury such as crick.

Do not throw or stab yourself or any other person with the phone. There is a danger of serious injury by the projecting part of the phone such as antenna.

If you use any other personal medical devices, you should not carry the phone in a breast or inside pocket because the radio signal of the phone may affect the operation of the medical device.

Be careful because the part of your body such as finger may be caught in the phone, which may cause slight personal injury such as bruise and scratch.

Note that storing the phone with installed battery may discharge the battery.

For persons with weak heart or poor health, please check the configuration of inbound vibration and ring tone before use.

Do not remove the rubber covers of the phone except servicing the unit. The purpose of the rubber covers is to prevent dirt contamination.

Do not attempt to open it. Non-expert handling of the device may damage it. If you require assistance, contact your local service facility.

If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility.

Only qualified service personnel may install or repair the equipment.

2. Unpacking

- Thank you for purchasing this product. Your package contains the following items. Please check that there is no missing item.
- If there is a missing item, please contact your product provider.



Phone



Travel Charger



Quick Start Guide



Owner's Manual

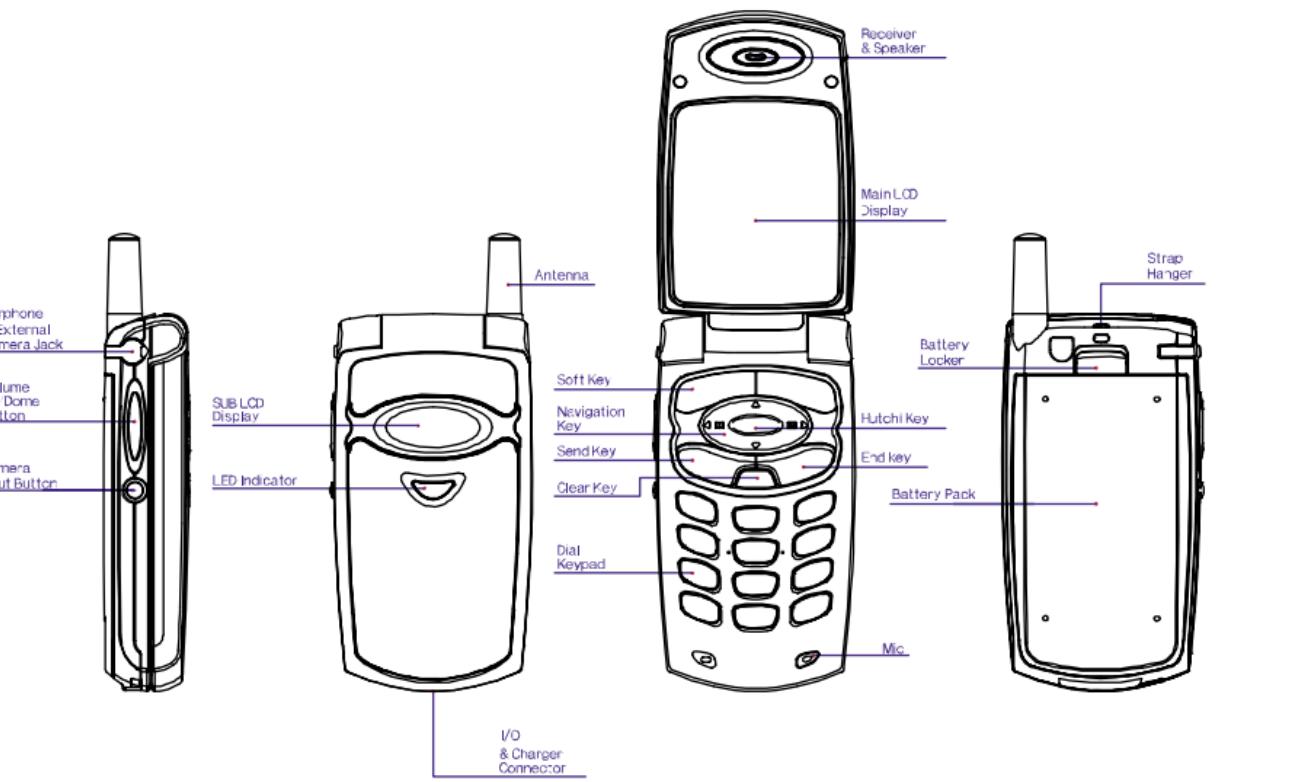


CD-ROM Software includes Manual



Digital Camera

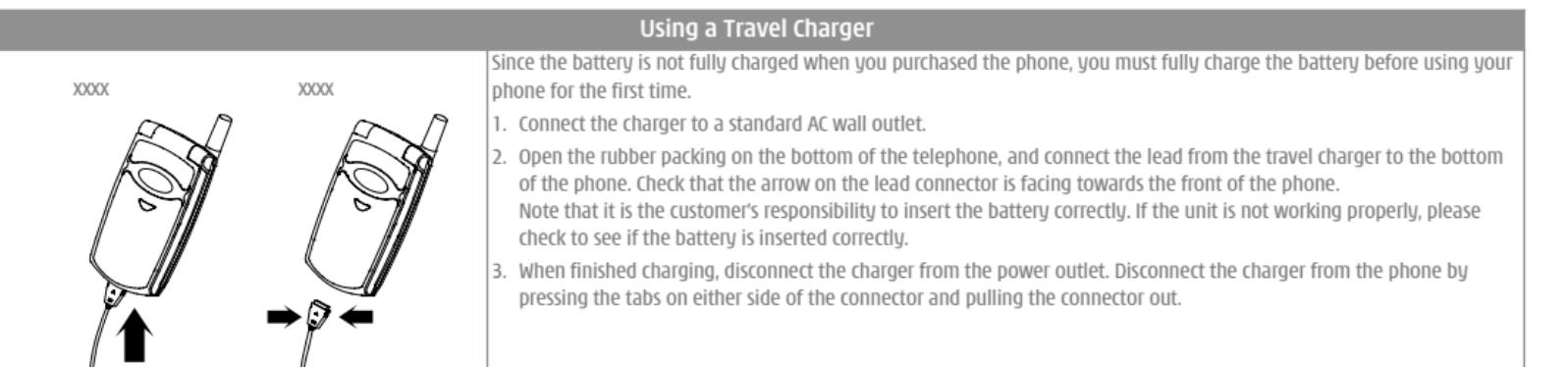
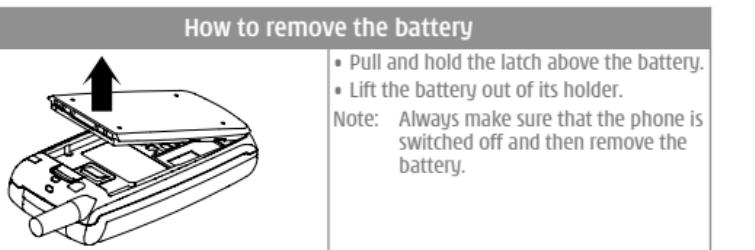
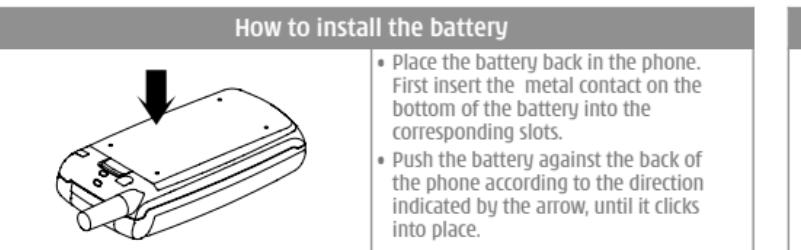
3. Your Phone



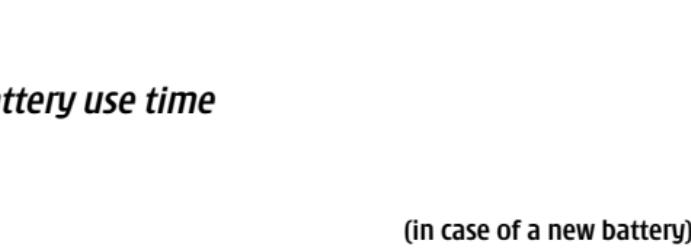
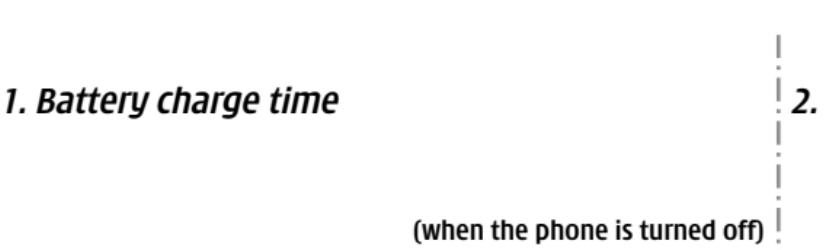
4. Status Display

	Signal Strength: Shows the received signal strength. The greater the number of bars, the better the signal strength.
	Roaming: Appears when you are out of the service area of your service provider, and in the service area of another service provider.
	Out of Service: Appears when service is unavailable.
	Service: Appears when a call is in progress
	New Message: Appears when a new voice or text message has been received.
	Ring Tone On: Appears when the ring tone mode is on.
	Vibrator On: Appears when the vibrate mode is on. An incoming call will vibrate the phone rather than ring it.
	Battery Strength: Shows the level of your battery. The more bars you see, the more power you have left.
	Alarm On: Appears when you set an alarm.
	Etiquette Mode: Appears when the current mode is etiquette mode.

5. Installing and remove the Battery

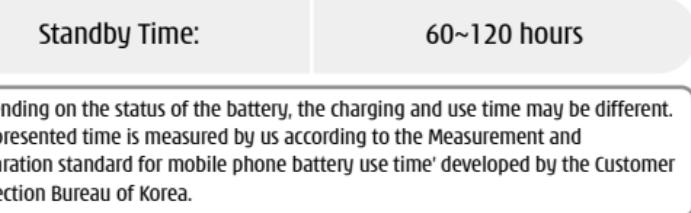
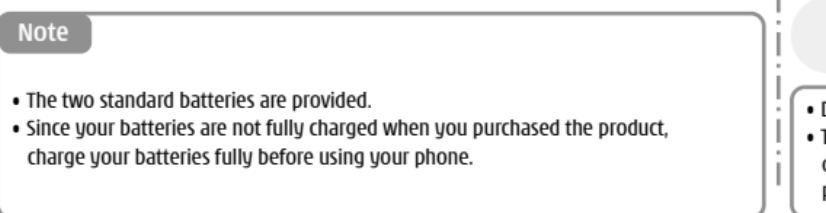


6. Battery Charge and Use Time



Type:	Standard
Time:	About 120 minutes

Type:	Standard
Talk Time:	100~150 minutes



7. Instructions for Efficient Battery Use

1. Charge your battery only with a charger approved by the phone manufacturer.
★ Never use the battery not approved by the phone manufacturer because it may cause damage to your phone, or explosion.
2. Do not leave the battery near fire. Do not disassemble, or short-circuit the battery.
★ There is a danger of explosion.
3. Do not impact the battery with strength or do not drop it.
★ It may affect and reduces the battery lifetime.
4. The battery can be charged and discharged repeatedly but it will eventually wear out.
★ When the operating time (talk-time and standby time) is shorter than half of the normal operating time, it is time to buy a new battery.
5. Keep the battery room temperature for charge efficiency.
★ Keep the battery out of direct rays and the hot air from heaters when you charge the battery. In extreme temperatures, the battery may not be charged completely, and it will be charged subsequently when it warms up to room temperature.
6. Temperature extremes affect the ability of the battery. Keep the battery in room temperature.
★ Leaving the battery in a hot or cold place such as in a closed car in summer or winter conditions will reduce the capacity and life of the battery.

8. Information on Battery Lifetime

1. The phone consumes more power when you are talking for a long time over the phone, it also reduces the standby time of the phone.
2. Battery lifetime is affected by the operation mode (slot mode) of the base station near the phone.
3. Being out of service area for a long time uses more power and result in reduced standby time.
4. Battery lifetime is affected by the operation environment such as charge status, and temperature, use habit, signal strength, and keypad light time setting.
5. Battery is expendable supply, and the lifetime is reduced as you use the phone.
(Warranty for the battery is 6 months)
6. Using the functions provided by the phone such as messaging, game, and Internet connection will use more power.

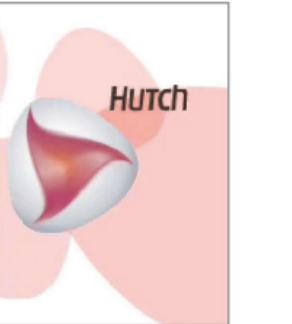
Slot mode?

When you moving by car or foot, the phone communicates with the base station to maintain best communication status. It is called slot mode. The more number of communications between the phone and base station, the shorter standby time of the phone.

9. Switching the Phone On

Hold down [End] key for a while until start screen appears.

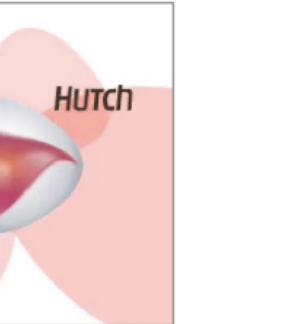
- The phone turns to idle mode after a while.



10. Switching the Phone Off

Hold down [End] key for a while.

- Exit screen appears and the phone is turned off.



- To switch the phone off, you have to use [End] key. Switching the phone off by separating the battery cannot guarantee saving phone information such as call time records.
- After switch the phone off, please wait about 5 seconds before switching it on again.

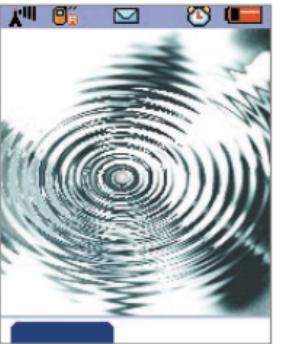
11. Making a Call

1) When the idle screen is displayed, input the area code and phone number. To delete the number, press [Clear] key.

2) When your correspondent answers the call, you can talk over the phone.

- To delete the number, press [Clear] key.
- To finish or cancel a call, press [End] key.

Tips & Tricks:



12. Answering a Call

- 1) Open the phone, and talk over the phone.
- 2) When you have finished your call, close the phone, or press [End] key.

Tips & Tricks:



13. Using Etiquette Function

1. Enabling Etiquette Function

Hold down [] key for a while.



- Etiquette function enables your correspondent to hear clear voice even though you speak in a quiet tone.
- Etiquette function mutes all of the key tone, ring tone, alarm, alert sound, and connect tone, and turns your phone to vibration mode regardless of the current ring tone mode setting.

2. Disabling Etiquette Function

Hold down [] key for a while.



- Switching the phone off disables the etiquette function automatically.

CHAPTER 2. Phonebook –

This menu provides the function of the phonebook needed for making a call.

1. Search

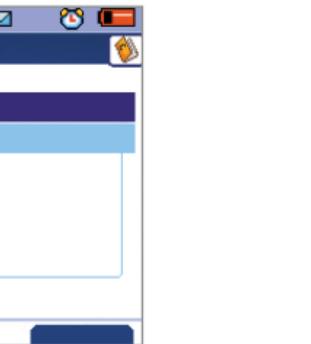
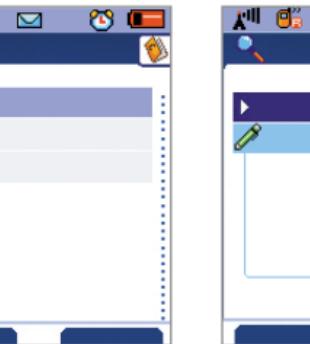
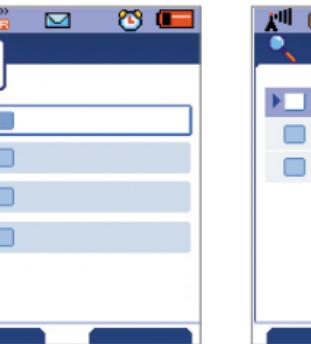
You can store phone numbers and their associated information in the memory of your phone and SIM card.

This function allows you to find your desired number from the Phonebook by name, group, and number.

1. Search by Name

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '1. Search' from the Phonebook menu using the direction keys (or press 1)
- 4) Select '1. By Name' from the Search menu using the direction keys (or press 1)
- 5) Move to the editor, input desired name to search.
 - To edit the search result, press 'Edit' key.
 - To search for the entire phonebook, just press 'SEL' key without typing a name.
 - When the search has been completed, you can use the result for various functions by using the icons on the top of the screen.

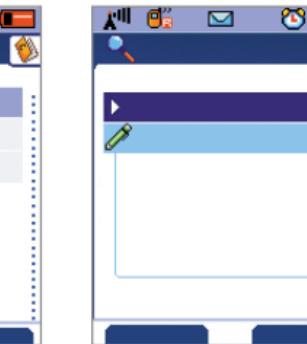
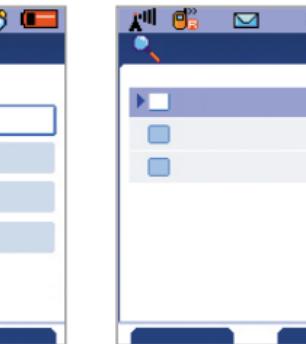
Tips & Tricks:



Tips & Tricks:



Tips & Tricks:



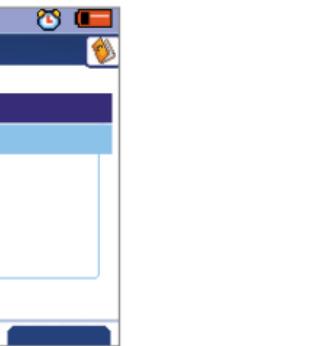
3. Search by Number

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '1. Search' from the Phonebook menu using the direction keys (or press 1)
- 4) Select '3. By Number' from the Search menu using the direction keys (or press 3)
- 5) Input desired number in the By Number menu using number keys to search.
 - When the idle screen is displayed, input a number, and press 'FIND' key to search
 - When the result is displayed, press 'Edit' key to edit the item.
 - When the search has been completed, you can use the result for various functions by using the icons on the top of the screen.

Tips & Tricks:



Tips & Tricks:

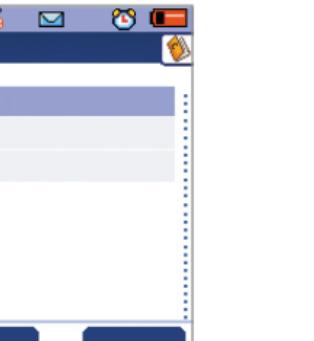


Tips & Tricks:



4. Search in idle status.

When the idle screen is displayed, input some numbers and press [Find] key.



2. New

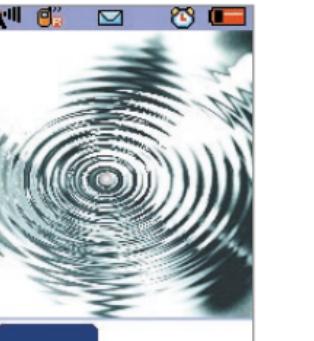
This function allows you to add and edit an item in the Phonebook.

1. Phone

You can add and edit an item in the memory of the Phone

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '2, New' from the Phonebook menu using the direction keys (or press 2)

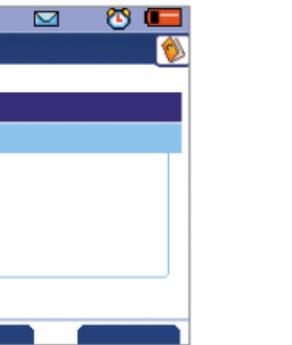
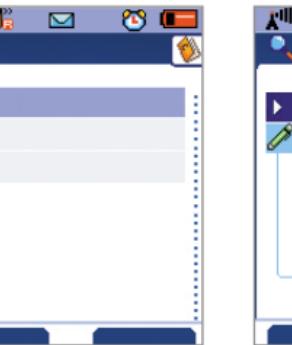
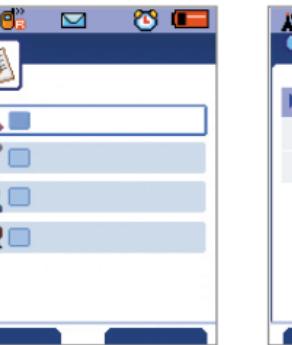
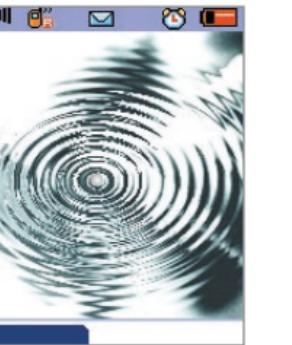
IPS & Tricks:



4) Select '1. Phone' from the New menu (or press 1)
 5) Move to desired item in the Phone menu using the direction keys.
 6) Input in each item, and select '*' Store' in the last item.

- Name: Name
 * Press Select key-> Select desired character set using # key-> input characters-> Press Select key
- Home Number: Home number (Input home numbers-> Press Select key)
- Office Number: Office number (Input office numbers-> Press Select key)
- Mobile Number: Mobile phone number (Input mobile phone numbers-> Press Select key)
- Fax Number: Fax number (Input fax numbers-> Press Select key)

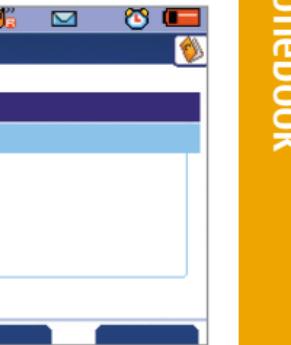
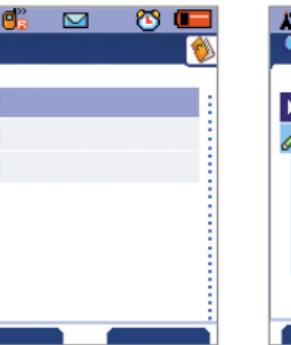
Tips & Tricks:



- E-mail Address: E-mail address
 * Press Select key-> Select desired character set using # key-> input characters-> Press Select key
- Group: The name of the group, which the current item belongs to.
- Insert Icon: Specifies corresponding icon
- Ringer type
- Ringer sound
- Store: Stores

7) When the idle screen is displayed, input the number, and press [Save] key to move to the new menu. Select desired icon on the right of the menu that represent Home, Office, Mobile, and Fax numbers to edit.

Tips & Tricks:



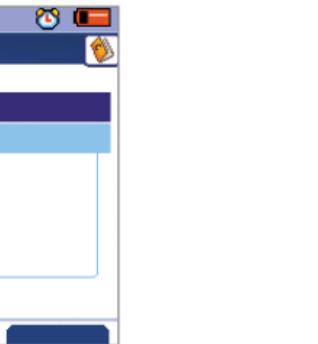
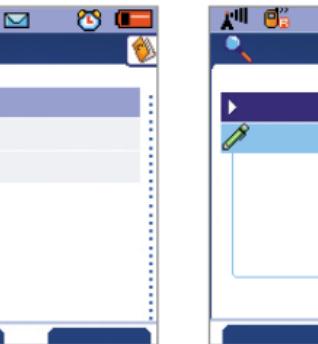
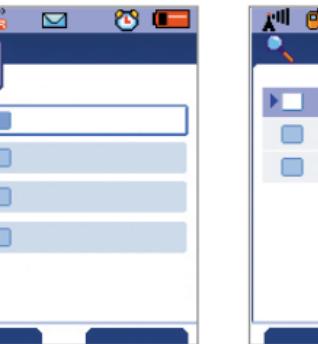
2. R-UIM Card

can add and edit an item in the R-UIM card.

- You can input only 'Name', and 'Number'.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '2. New' from the Phonebook menu using the direction keys (or press 2)
- 4) Select '2. R-UIM card' from the New menu using the direction keys (or press 2)
- 5) Input each item, and select '3. Store' to store the information.
 - Name: Name (less than 12 alphabet characters)
 - Number: Phone number
 - Store: Store

Tips & Tricks:

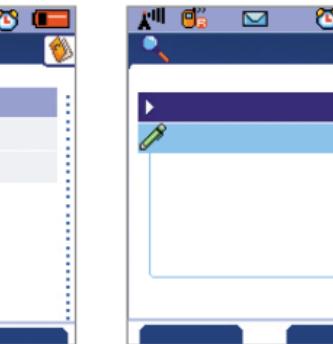
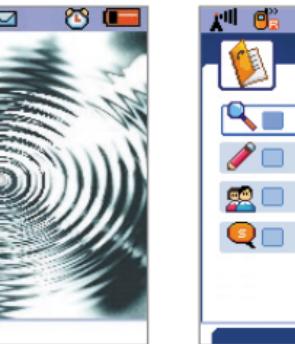
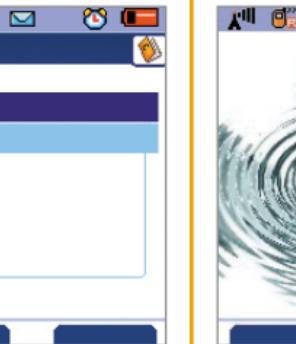


3. Saving a Number in Idle Mode

- 1) When the idle screen is displayed, input a number.

- 2) Press [Save] key to move to new menu. Select a desired icon from the Home, Office, Mobile, and Fax icon on the right of the menu, and save the number.

Tips & Tricks:

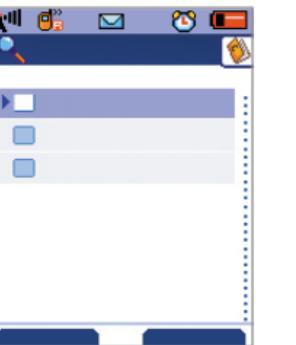


3. Group

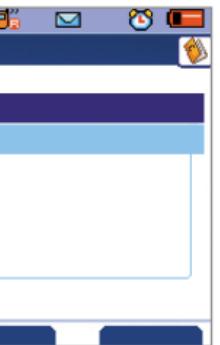
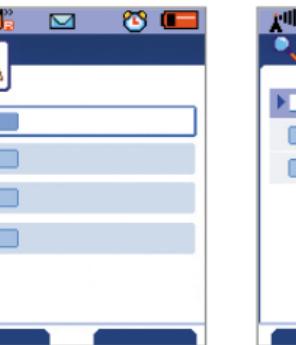
This function allows you to add a new group, edit, and delete an existing group.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '3. Group' from the Phonebook menu using the direction keys (or press 3)
- 4) Select desired item from the Group menu using the direction keys (or press 1)
 - New Group: Moves to editor to input new group name (Moves to New Group)

Tips & Tricks:



Tips & Tricks:



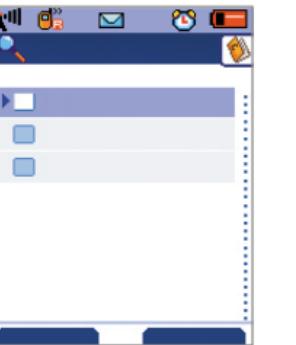
4. Speed Dial

This function enables you to save phone numbers in advance and make a call easily without pressing all of the number.
(Up to 10 speed dials are available)

1. Current Name (Current Saved Names List)

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '4. Speed Dial' from the Phonebook menu using the direction keys (or press 4)
- 4) Select '1. Current Name' from the Speed Dial menu using the direction keys (or press 1)
- 5) View the address and name of the desired item in the Current Name menu using the left (and right (direction key.

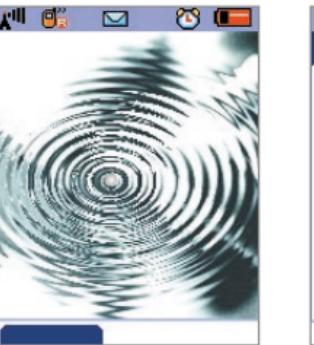
Tips & Tricks:



2. Get Phonebook (Load a Number from Phonebook)

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '4. Speed Dial' from the Phonebook menu using the direction keys (or press 4)
- 4) Select '2. Get Phonebook' from the Speed Dial menu using the direction keys (or press 2)
- 5) Move to the Phonebook search screen, search, and select.
 - In the input screen, input name or number, and press [Find] key.
 - Specify Group to assign as speed dial, and press [Find] key.
 - In the search result screen, you can select the name specified as a speed dial.

Tips & Tricks:



6) Press [Select] key.

- In By Name, press Search, move to Alpha edit, input name, press [Find] key, and then search.
- In By Group, press [Select] key, move to Search group, press [Find] key and then search.
- In By Number, press [Select] key, input number in numedit mode, and then search.

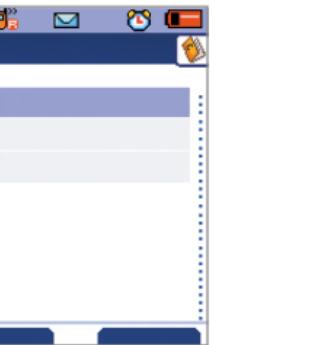
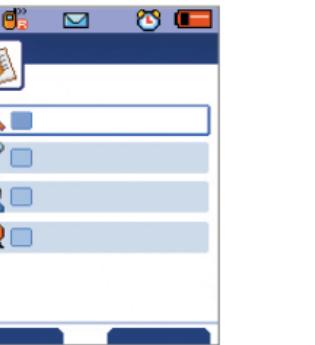
7) Press [Find] key.

- To save speed dial, select desired icon, press [Select] key, input speed dial address, and press [Save] key. Then a message of 'XXXXXXXXXX is stored at speed no. XX' appears on the screen.
- You can specify as speed dial for the Home, Phone, Office, and Fax icon using the left and right direction key.
- If the specified name is the same to the existing speed dial name, a message of 'Already the same name exists. Cannot save the name.' appears.

8) Input speed dial address and press [Store] key.

9) You cannot save the number in the R-UIM.

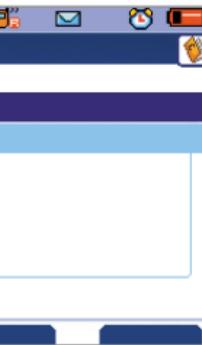
Tips & Tricks:



3. Delete

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Phonebook' from the menu using the direction keys (or press 1)
- 3) Select '4. Speed Dial' from the Phonebook menu using the direction keys (or press 4)
- 4) Select '3. Delete' from the Speed Dial menu using the direction keys (or press 3)
- 5) Select desired list to delete in from list screen, and press 'DEL' key to delete the list.

Tips & Tricks:



CHAPTER 3. Call Records –

This menu allows you to view and manage call records.

1. Call History

1. Received Calls

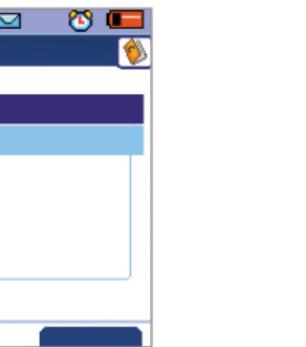
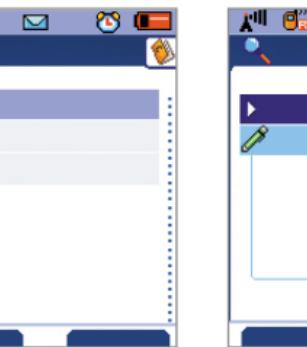
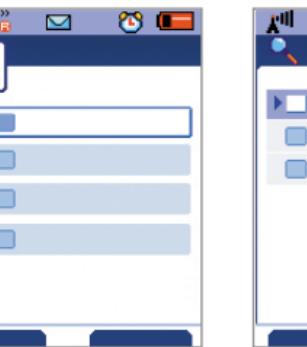
This function allows you to view received call records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '1. Call History' from the Call Logs menu using the direction keys (or press 1)
- 4) Select '1. Received Calls' from the Call History menu using the direction keys (or press 1)

* Press Save to move to the New menu of the Phonebook to save the number.

- The caller name (if the name is not in the Phonebook (R-UIM + Phone), only number will be displayed) and date of the received calls are displayed.

Tips & Tricks:



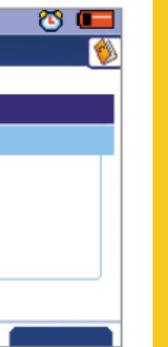
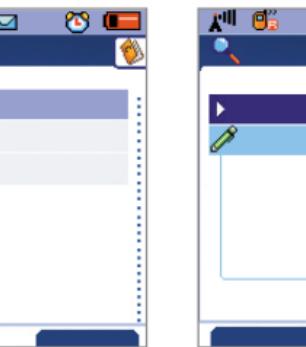
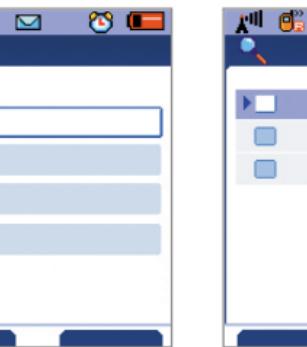
2. Dialed Calls

This function allows you to manage dialed call records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '1. Call History' from the Call Logs menu using the direction keys (or press 1)
- 4) Select '2. Dialed Calls' from the Call History menu using the direction keys (or press 2)

* Press Save to move to the New menu of the Phonebook to save the number.
 - The name (if the name is not in the Phonebook (R-UIM + Phone), only number will be displayed) and date of the dialed calls are displayed.

Tips & Tricks:



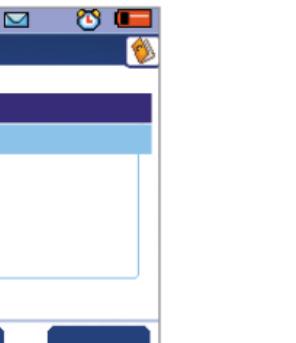
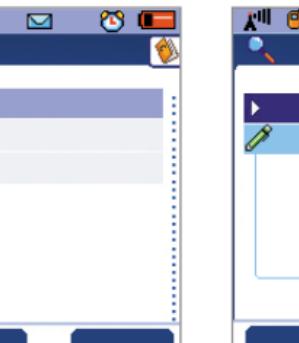
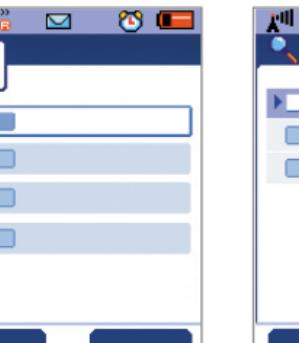
3. Missed Calls

This function allows you to view missed call records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '1. Call History' from the Call Logs menu using the direction keys (or press 1).
- 4) Select '3. Missed Calls' from the Call History menu using the direction keys (or press 3).

* Press Save to move to the new menu of the Phonebook to save the number.
 - The name (If the name is not in the Phonebook R-UIM + Phone), only number will be displayed, date and time of the missed calls are displayed.

Tips & Tricks:

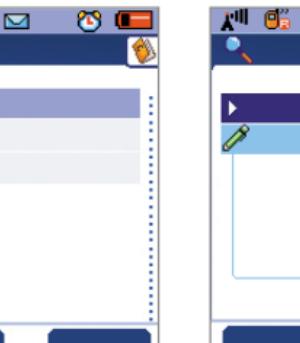
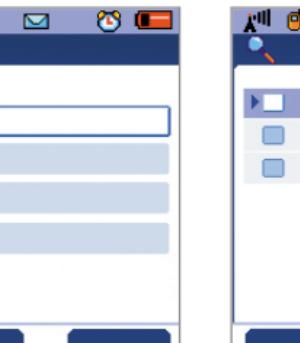
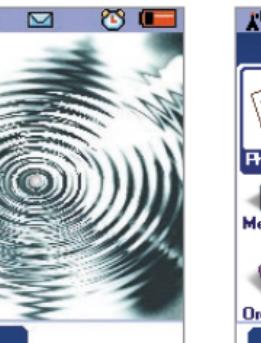


4. Clear

This function allows you to delete received, dialed, and missed call records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '1. Call History' from the Call Logs menu using the direction keys (or press 1).
- 4) Select '4. Clear' from the Call History menu using the direction keys (or press 4).
- 5) Select desired item to delete from the Clear menu using the left and right direction key.
 - Received Calls: Deletes received call records.
 - Dialed Calls: Deletes dialed call records.
 - Missed Calls: Deletes missed call records.
 - All: Deletes all of the received, dialed, and missed calls.

Tips & Tricks:



2. Call Timer

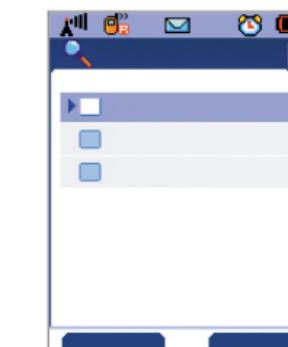
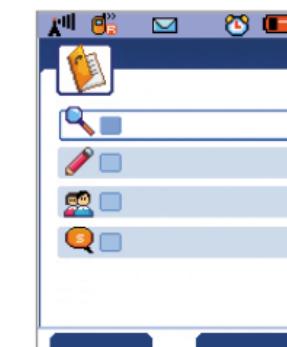
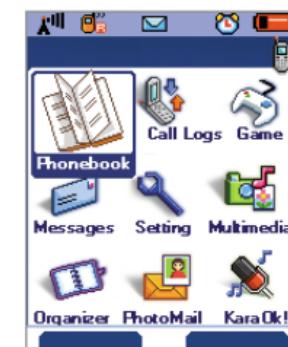
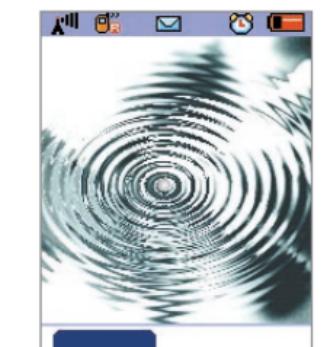
This menu allows you to view and manage call time records.

1. Received Calls

This function allows you to view and manage received call time records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '2. Call Timer' from the Call Logs menu using the direction keys (or press 2).
- 4) Select '1. Received Calls' from the Call Timer menu to view call time using the direction keys (or press 1)

Tips & Tricks:

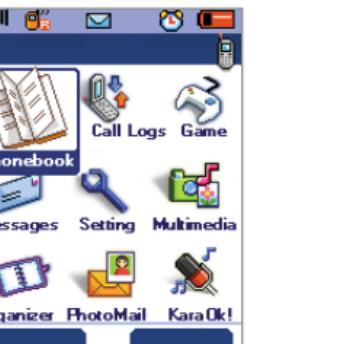


5. Select each item, and press 'DEL' key to initialize the time record of the item.
 Deleting Total Calls deletes the entire received call time records.

- Last Call: Displays last received call time.
- Month Call: Displays received call time of the last one month.
- Total Call: Displays all received call time until now.

6) To delete the item, press [YES], or not to delete the item, press [NO].

Tips & Tricks:

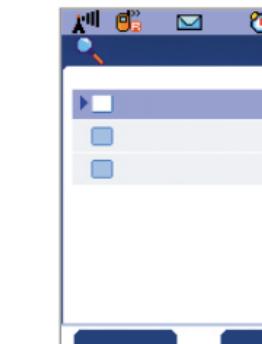
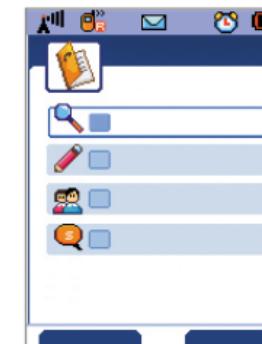


2. Dialed Calls

This function allows you to view and manage dialed call time records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '2. Call Timer' from the Call Logs menu using the direction keys (or press 2).
- 4) Select '2. Dialed Calls' from the Call Timer menu to view call time using the direction keys (or press 2)

Tips & Tricks:

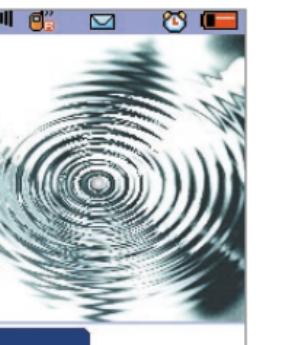


5. Select each item, and press 'Delete' key to initialize the time record of the item.
 Deleting Total Calls deletes the entire dialed call time records.

- Last Call: Displays last dialed call time.
- Month Call: Displays dialed call time of the last one month.
- Total Call: Displays all dialed call time until now.

6) To delete the item, press [YES], or not to delete the item, press [NO].

Tips & Tricks:



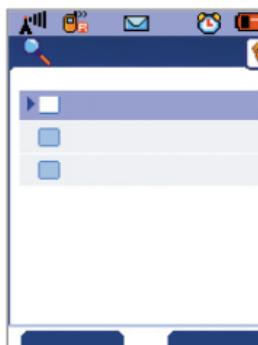
3. Total Calls

This function allows you to view and manage total call time records including received and dialed call time records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '2. Call Timer' from the Call Logs menu using the direction keys (or press 2).
- 4) Select '3 Total Calls' from the Call Timers menu to view call time using the direction keys (or press 3)

- You cannot delete call time record in this menu. You can delete call time records in Clear Timers menu, instead.

Tips & Tricks:

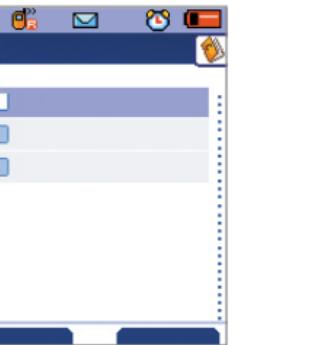


4. Clear Timers

This function allows you to delete selected item from the saved call time records.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Call Logs' from the menu using the direction keys (or press 2).
- 3) Select '2. Call Timer' from the Call Logs menu using the direction keys (or press 2).
- 4) Select desired item to delete in the Clear Timers menu using the left and right direction key (or press 4).

Tips & Tricks:



5) To delete the item, press [YES], or not to delete the item, press [NO].

- Received Calls: Deletes received call time records.
- Dialed Calls: Deletes dialed call time records.
- Total Calls: Deletes total call time records.

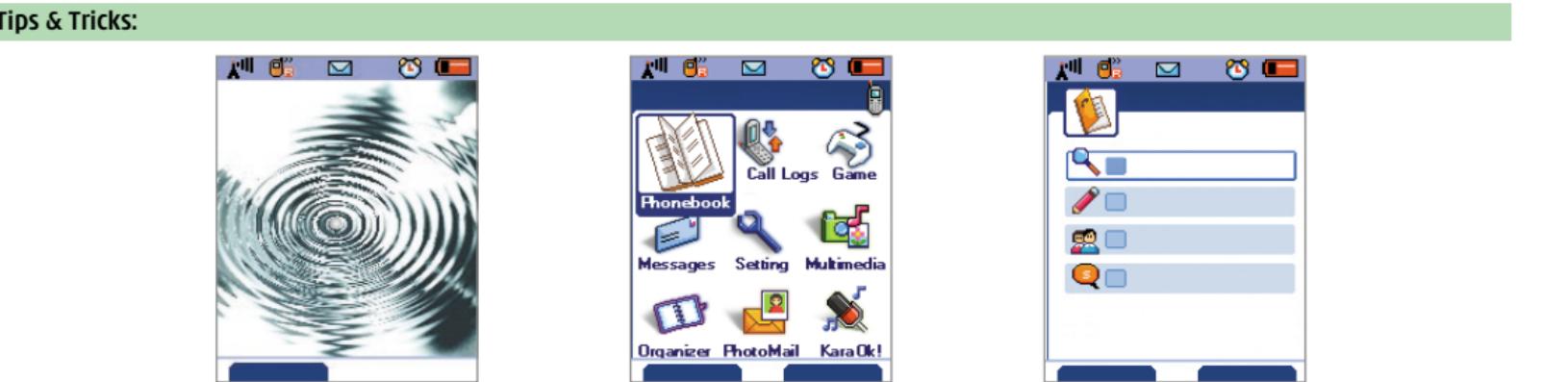
Tips & Tricks:



CHAPTER 4. Game

— This menu provides games for entertaining users.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Game' from the menu using the direction keys (or press 3).
- 3) Select your desired game from the Game menu using the direction keys (or press 1).



CHAPTER 5. Messages

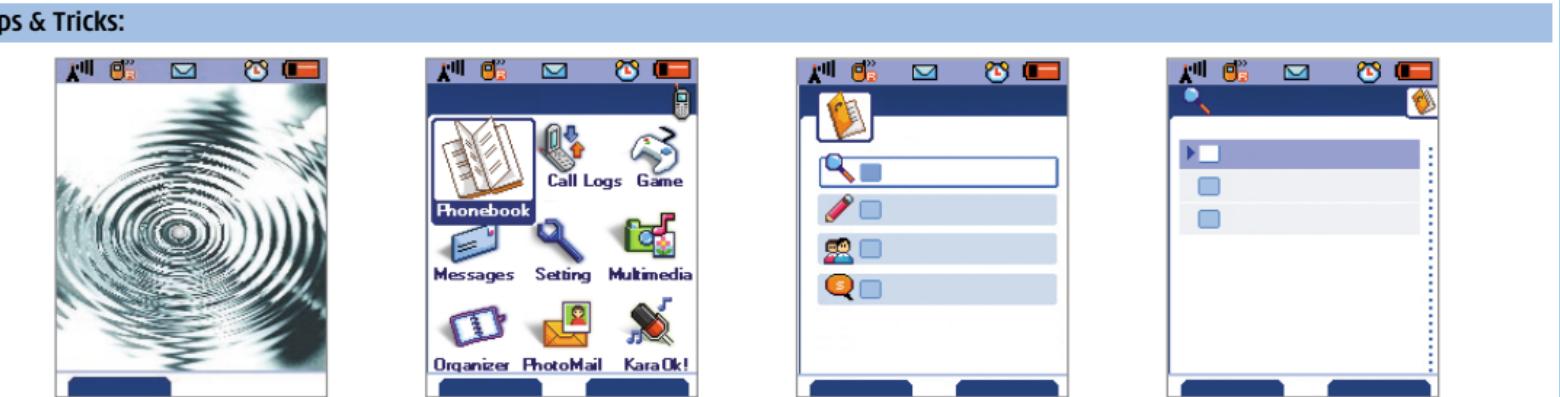
— (shortcut: right direction key) This menu enables you to manage received messages, and send messages.

1. SMS

1. Create

This function allows you to create and send new message to another phone.

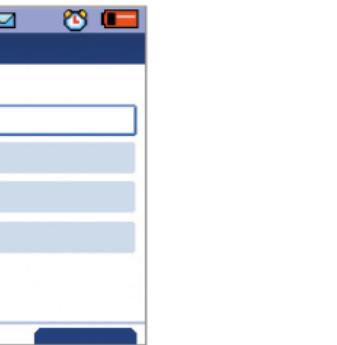
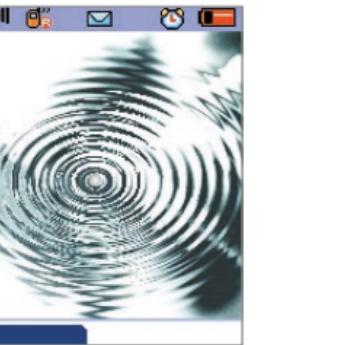
- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '1. SMS' from the Messages menu using the direction keys (or press 1).
- 4) Select '1. Create' from the SMS menu using the direction keys (or press 1).



5) Input your desired message, and the destination phone number, and send the message

- To search and select the number from Phonebook, press 'Find' key in 'To:' field.
- Create MSG: Creates a new message.
- THAI CANNED: Loads a saved simple Thai message.
- ENG CANNED: Loads a saved simple English message.

Tips & Tricks:

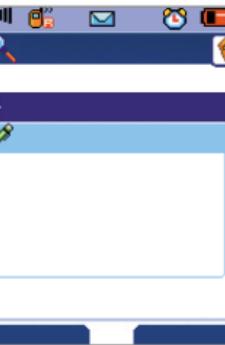
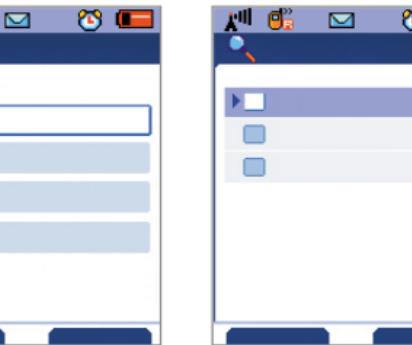


2. Inbox

This function allows you to read received message, reply to the message, and save the message in the R-UIM.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '1. SMS' from the Messages menu using the direction keys (or press 1).
- 4) Select '2. Inbox' from the SMS menu using the direction keys (or press 2).
- 5) Check the messages and select a message in the Inbox menu.

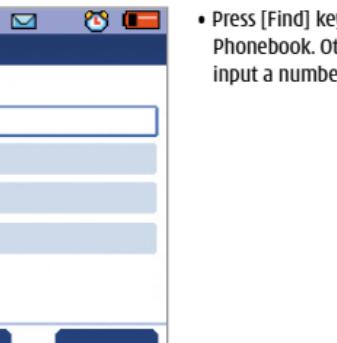
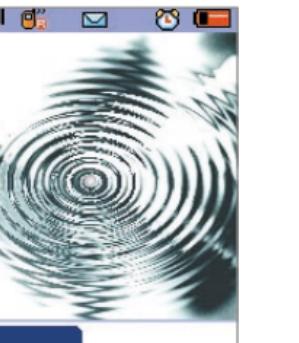
Tips & Tricks:



6. Press Option key to move to the Option menu screen.

(1) Reply: Reply to the selected SMS message.

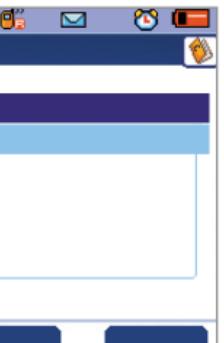
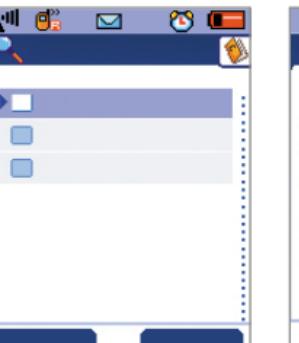
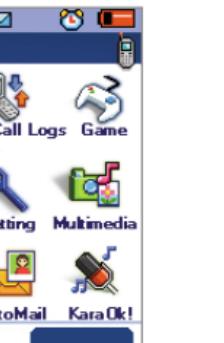
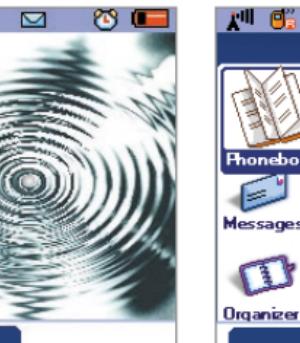
Tips & Tricks:

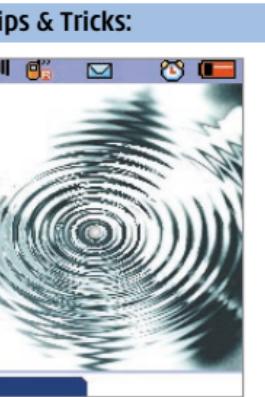


- Press [Find] key to search the Phonebook. Otherwise you can input a number directly.

(2) Forward: Forwards the selected SMS message.

Tips & Tricks:





(3) Delete: Deletes the selected SMS message.

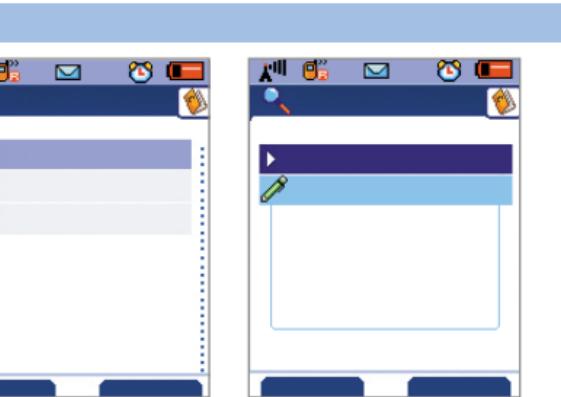


Tips & Tricks:



(4) Store: Stores the selected SMS message in the R-UIM.

(5) Add Contact: Saves the phone number of the sender of the selected SMS message in the Phonebook.

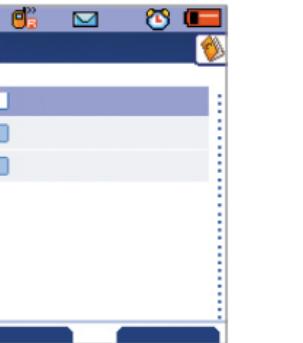


3. Outbox

This function allows you to view, delete, and save the sent message in the R-UIM.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '1. SMS' from the Messages menu using the direction keys (or press 1).
- 4) Select '3. Outbox' from the SMS menu using the direction keys (or press 3).

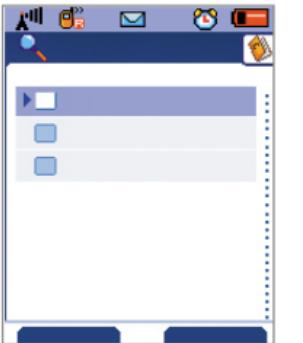
Tips & Tricks:



5) Check the messages and select a message in the Outbox menu (or press 1).

- Press Option key to move to the Option menu screen.
- (1) Forward: Forwards the selected SMS message.
- (2) Delete: Deletes the selected SMS message.
- (3) Store: Stores the selected SMS message in the R-UIM.

Tips & Tricks:

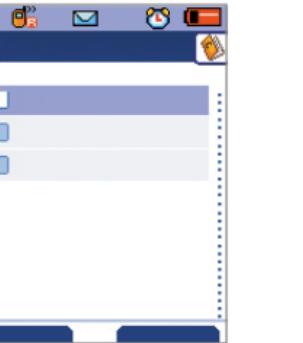


4. Stored

This function allows you to save the received (Inbox) and sent SMS messages (Outbox) in the R-UIM.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '1. SMS' from the Messages menu using the direction keys (or press 1).
- 4) Select '4. Stored' from the SMS menu using the direction keys (or press 4).

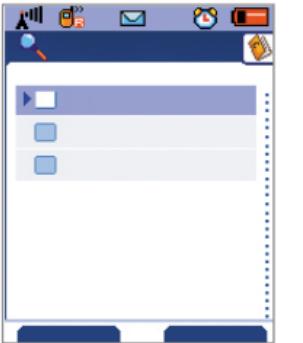
Tips & Tricks:



5) Input your PIN.

- 5) Input your PIN.
- 6) Check the messages and select a message in the Stored menu (or press 4).
 - Press Option key to move to the Option menu screen.
 - * If the selected message is in the Outbox,
 - (1) Forward : Forwards the selected SMS message.
 - (2) Delete : Deletes the selected SMS message.

Tips & Tricks:

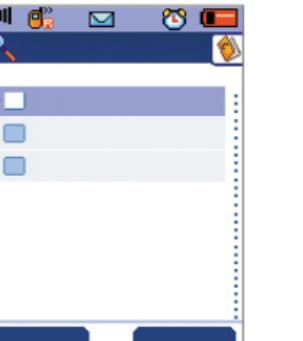


* If the selected message is in the Inbox,

- (1) Reply : Reply to the selected SMS message.
- (2) Forward : Forwards the selected SMS message.
- (3) Delete : Deletes the selected SMS message.
- (4) Add Contact : Saves the phone number of the sender of the selected SMS message in the Phonebook.

Tips & Tricks:

- (1) Reply
- (2) Forward
- (3) Delete
- (4) Add Contact



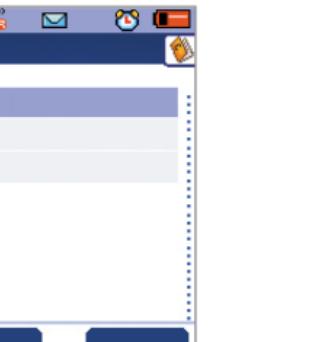
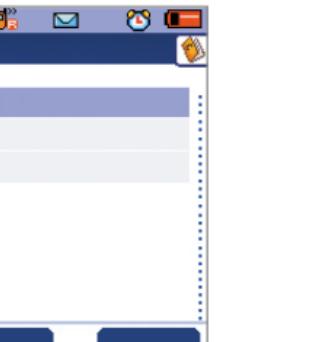
*For information on the Mail & Photo mail and Push Message function, refer to "Additional Services" in 15. Appendix.

4. Delete

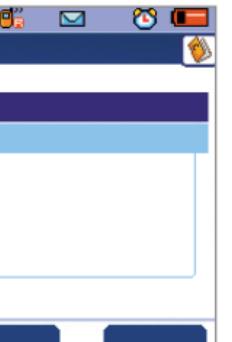
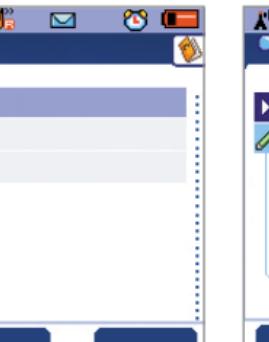
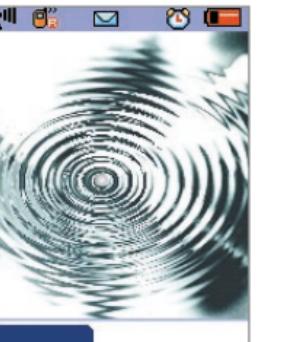
This function allows you to delete SMS messages stored in the Inbox, Outbox, or R-UIM.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '4. Delete' from the Messages menu using the direction keys (or press 4).
 - (1) Delete All- Deletes all SMS messages in the Inbox, Outbox, and R-UIM.
 - Input your PIN. The delete confirm screen appears.
 - Pressing YES deletes all messages and displays delete operation result message.

Tips & Tricks:



Tips & Tricks:

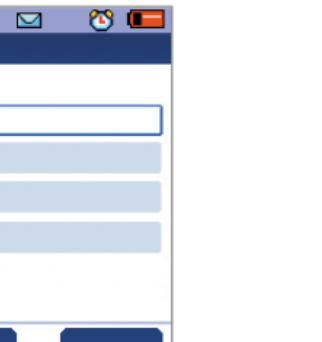


5. Setting

This function allows you to configure SMS Settings.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Messages' from the menu using the direction keys (or press 4).
- 3) Select '5. Setting' from the Messages menu using the direction keys (or press 5).
- 4) Select desired option from the Setting menu using the left and right direction key.

Tips & Tricks:



- Alert Types (Receive notification method)
 - Just 1 Time : Sounds once.
 - Every 2 min : Sounds every 2 minutes.
- Alert Modes (Receive notification mode)
 - Ringer : Sets to bell sound.
 - Vibrator : Sets to vibration.
 - Silence : Sets to silence.
 - Bell After Vib
 - Bell And Vib
- Auto displays (Automatic message display)
 - Yes/No

Tips & Tricks:



CHAPTER 6. Sound Setting – This menu allows you to configure the sound setting of the phone.

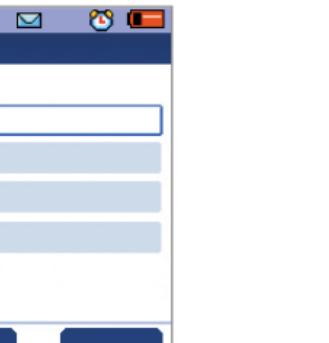
1. Sound

1. Mode

This function allows you to configure connect tone.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5)
- 3) Select '1. Sound' from the Setting menu using the direction keys (or press 1)

Tips & Tricks:



- 4) Select '1. Mode' in the Sound menu using the direction keys (or press 1).

- 5) Select desired option in the Mode menu using the left and right direction key, and press [Store] key.

- Ringer: Rings only when a call is connected.
- Vibrator: Vibrates only when a call is connected.
- Ring and Vibrate : Rings and vibrates when a call is connected.
- Ring after Vibrate : Vibrates and then rings when a call is connected.
- Silence : No operation when a call is connected.

Tips & Tricks:



2. Ringer

1. Type-This function allows you to select the Ringer type.
2. Sound-This function allows you to select the Ringer sound.
3. Volume-This function allows you to adjust the volume of the Ringer.

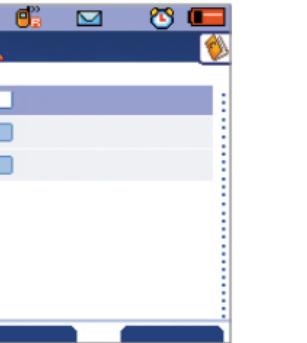
1) When the idle screen is displayed, press 'MENU' key.

2) Select 'Setting' from the menu using the direction keys (or press 5)

3) Select '1. Sound' from the Setting menu using the direction keys (or press 1)

4) Select '2. Ringer' in the Sound menu using the direction keys (or press 2)

Tips & Tricks:



- 5) Select '1. Type' from the Ringer menu using the direction keys (or press 1).
- 6) Select desired item in the Type menu using the left (or press 5) and right (or press 6) direction key, and press [Store] key.
- 7) Select '2. Sound' from the Ringer menu using the direction keys (or press 2).
- 8) Select desired options in the Sound menu using the left (or press 5) and right (or press 6) direction key, and press [Store] key.
- 9) Select '3. Volume' from the Ringer menu using the direction keys (or press 3).
- 10) Adjust the volume in the Volume menu using the left (or press 5) and right (or press 6) direction key, and press [Store] key.

Tips & Tricks:

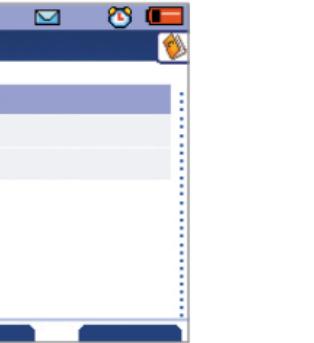
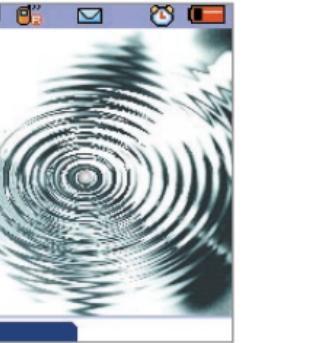


3. Alerts

1. Type – This function allows you to select the Ringer type.
2. Sound –This function allows you to select the sound.
3. Volume – This function allows you to adjust the volume of the phone.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5)
- 3) Select '1. Sound' from the Setting menu using the direction keys (or press 1)
- 4) Select '3. Alerts' from the Sound menu using the direction keys (or press 3)

Tips & Tricks:



5) Select '1. Type' from the Alerts menu using the direction keys (or press 1).

6) Delete desired option in the Type menu.

- Connect-Sound that notifies call connection.
- Service-Sound that notifies that the phone moves to in service area or moves to non-service area.
- Message-Sound that notifies that a new message has arrived.
- Minute-Sound that notifies that call time exceeds 1 minute.
- Flip Open-Sound that is generated when the phone has been opened.

7) Select '2. Sound' from the Alerts menu using the direction keys (or press 2).

8) Select desired option in the Sound menu using the left (or right (direction key, and press [Store] key.
(The sub-menu of 2. Sound is the same to 1. Type.)

9) Select '3. Volume' from the Alerts menu using the direction keys (or press 3).

10) Adjust the volume in the Volume menu using the left (or right (direction key, and press [Store] key.

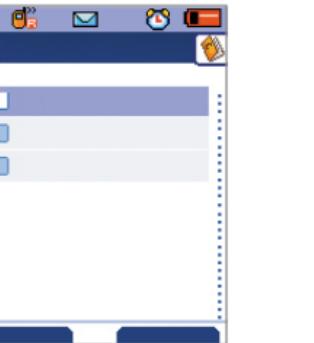
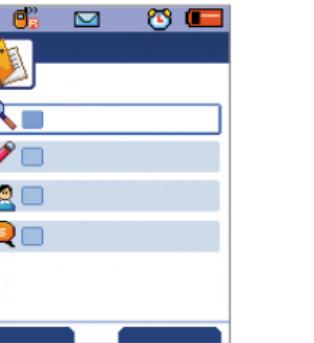
Tips & Tricks:



4. Key Tone

1. Set – This function allows you to switch the Key Tone on and off.
2. Volume – This function allows you to adjust the volume of the Key Tone.
- 3) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '1. Sound' from the Setting menu using the direction keys (or press 1).
- 4) Select '4. Key Tone' from the Sound menu using the direction keys (or press 4).

Tips & Tricks:



- 5) Select '1. Set' from the Key Tone menu using the direction keys (or press 1).
- 6) Select on or off from the Set menu using the left (or right (direction key, and press [Store] key.
- 7) Select '2. Volume' from the Key Tone menu using the direction keys (or press 2).
- 8) Adjust the volume in the Volume menu using the left (or right (direction key, and press [Store] key.

Tips & Tricks:

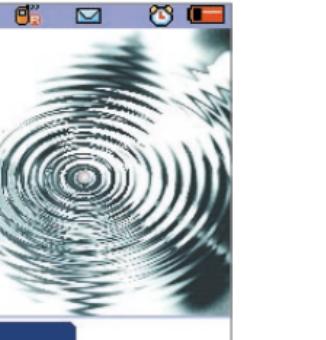


Chapter 7. Display Setting — This menu allows you to configure the display settings of your phone.

1. Banner

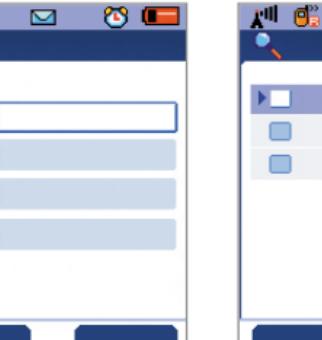
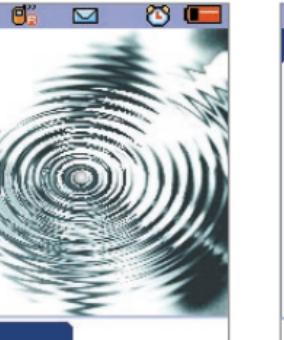
1. Display Clock – This function allows you to determine whether to display clock on the screen.
2. Clock Position – This function allows you to determine the position of the clock on the screen.
3. Clock Color – This function allows you to determine the color of the clock on the screen.
4. Banner Text – This function allows you to specify the banner string to be displayed on the screen.
 - 1) When the idle screen is displayed, press 'MENU' key.
 - 2) Select 'Setting' from the menu using the direction keys (or press 5).
 - 3) Select '2. Display' from the Setting menu using the direction keys (or press 2).

Tips & Tricks:



- 4) Select '1. Banner' from the Display menu using direction keys (or press 1).
- 5) Select '1. Display Clock' from the Banner menu using the direction keys (or press 1).
- 6) Select On or Off from the Display Clock menus using the left and right direction key, and press the [Store] key.
- 7) Select '2. Clock Position' from the Banner menu using the direction keys (or press 1).
- 8) Select desired option from the Display Clock menu using the left and right direction key, and press [Store] key.
- 9) Select '3. Clock Color' from the Banner menu using the direction keys (or press 1).
- 10) Select desired option from the Clock Color menu using the left and right direction key, and press [Store] key.
- 11) Select '4. Banner Text' from the Banner menu using the direction keys (or press 1).
- 12) Input your desired string directly in the Edit Box of the Banner Text menu.

Tips & Tricks:



2. Set Graphics

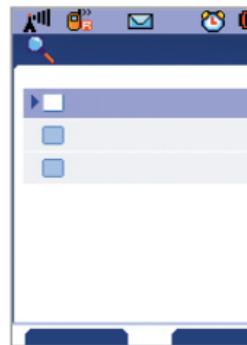
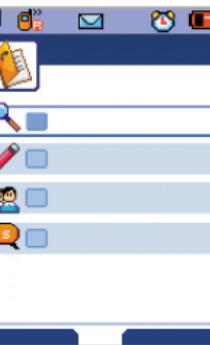
1. Power On – This function allows you to configure power-on animation.
2. Wallpaper – This function allows you to configure idle screen animation.
3. Screen Saver – This function allows you to configure screen saver animation.
4. Power Off – This function allows you to configure power-off animation.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '2. Display' from the Setting menu using the direction keys (or press 2).
- 4) Select '2. Set Graphics' from the Display menu using the direction keys (or press 2)

Tips & Tricks:



Tips & Tricks:



5) Select '1. Power On' from the Set Graphics menu using the direction keys .

6) Select desired animation from the Power On menu using the left and right direction key, and press [Store] key.

7) Select '2. Wallpaper' from the Set Graphics menu using the direction keys .

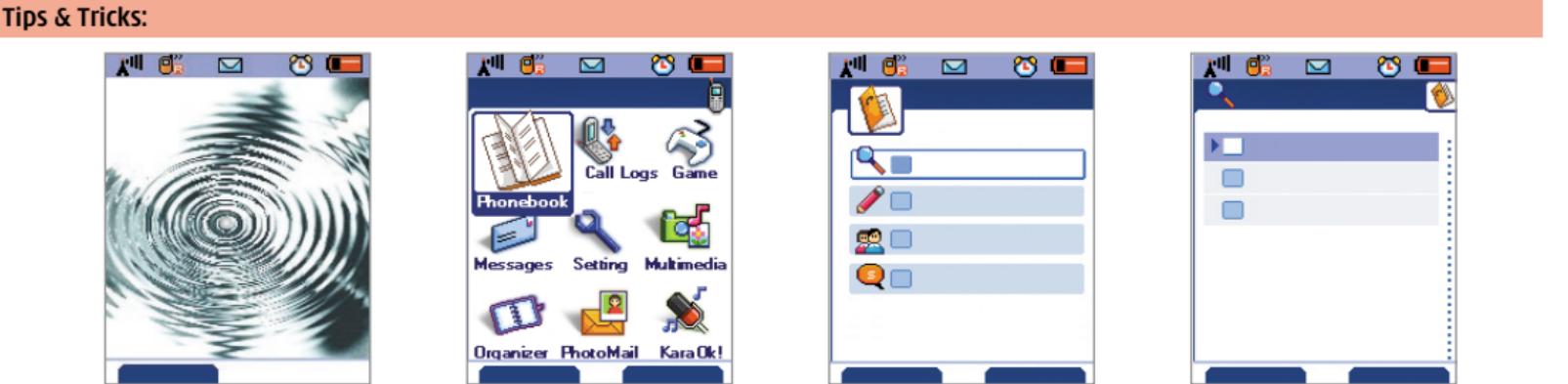
8) Select desired animation from the Wallpaper menu using the left and right direction key, and press [Store] key.

9) Select '3. Screen Saver' from the Set Graphics menu using the direction keys .

10) Select desired animation from the Screen Saver menu using the left and right direction key, and press [Store] key.

11) Select '4. Power Off' from the Set Graphics menu using the direction keys .

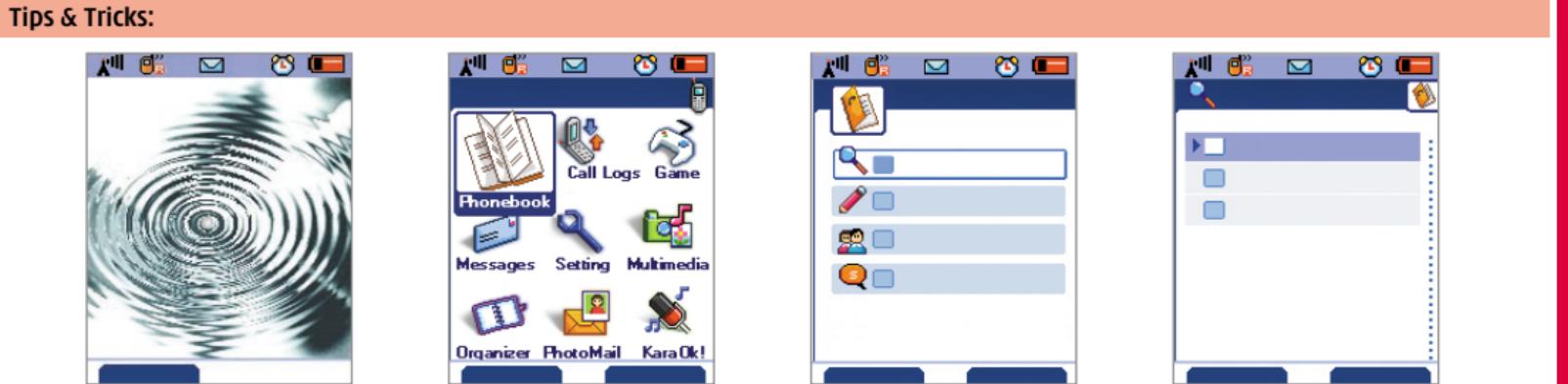
12) Select desired animation from the Power Off menu using the left and right direction key, and press [Store] key.



3. LCD Setting

1. Main LCD Backlight – This function allows you to configure the main LCD backlight.
2. Main LCD Contrast – This function allows you to configure the main LCD screen contrast.
3. Sub LCD Backlight – This function allows you to configure the sub LCD backlight
4. Sub LCD Contrast – This function allows you to configure the sub LCD screen contrast.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '2. Display' from the Setting menu using the direction keys (or press 2).
- 4) Select '3. LCD Setting' from the Display menu using the direction keys (or press 3).



5) Select '1. Main Backlight' from the LCD Setting menu using the direction keys .

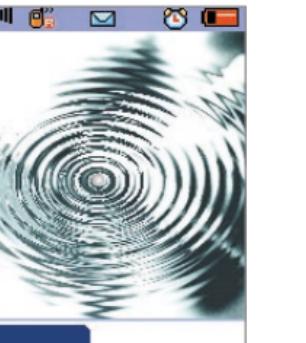
6) Select desired option from the Main Backlight menu using the left  and right  direction key, and press [Store] key.

- Folder open only : Turns the main LCD backlight on only when the phone is opened.
- On at night : Turns the main LCD backlight on only when it is at night.
- 10 seconds : Turns the main LCD backlight on only for 10 seconds.
- Always on : Turns the main LCD backlight on always.
- Always off : Turns the main LCD backlight off always.

7) Select '2. Main Contrast' from the LCD Setting menu using the direction keys .

8) Adjust the contrast in the Main Contrast menu using the left  and right  direction key, and press [Store] key.

Tips & Tricks:



9) Select '3. Sub Backlight' from the LCD Setting menu using the direction keys .

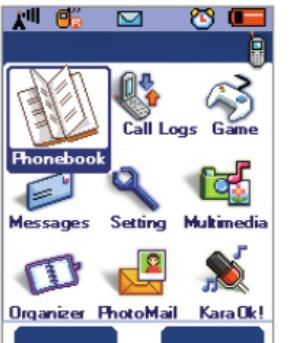
10) Select desired option from the Sub Backlight menu using the left  and right  direction key, and press [Store] key.

- Folder close only : Turns the sub LCD backlight on only when the phone is closed.
- On at night : Turns the sub LCD backlight on only when it is at night.
- 10 seconds : Turns the sub LCD backlight on only for 10 seconds.
- Always on : Turns the sub LCD backlight on always.
- Always off : Turns the sub LCD backlight off always.

11) Select '4. Sub Contrast' from the LCD Setting menu using the direction keys .

12) Adjust the contrast in the Sub Contrast menu using the left  and right  direction key, and press [Store] key.

Tips & Tricks:

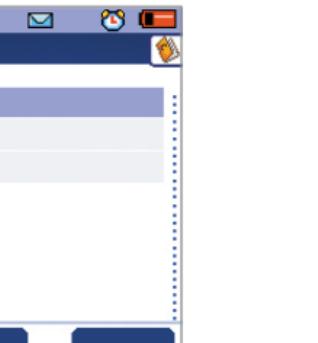


4. Language

This function allows you to select the menu language to be displayed on the screen.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '2. Display' from the Setting menu using the direction keys (or press 2).
- 4) Select '4. Language' from the Display menu using the direction keys (or press 4).
- 5) Select desired language from the Language menu using the left and right direction key, and press [Store] key.
 - English : Sets English as a default language.
 - Thai : Sets Thai as a default language.

Tips & Tricks:



CHAPTER 8. Call Setting

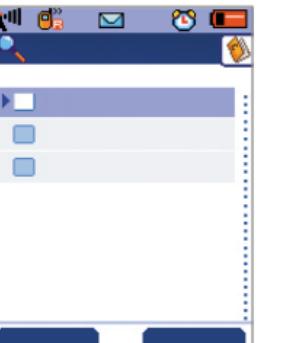
— This menu allows you to configure the call settings of your phone.

1. Call Answering

This function allows you to select answering method for a received call.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '3. Call' from the Setting menu using the direction keys (or press 3).
- 4) Select '1. Call Answering' from the Call menu using the direction keys (or press 1).
- 5) Select desired option from the Call Answering menu using the left and right direction key, and press [Store] key.
 - Folder open only : To answer a call, you have to open the phone.
 - Folder & Key : To answer a call, you have to open the phone, and press a key.

Tips & Tricks:

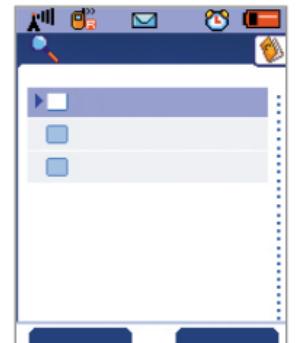
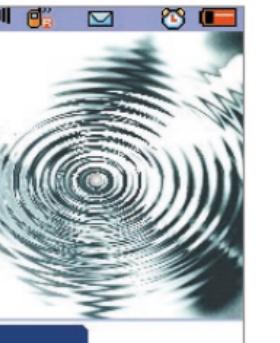


2. Call Forwarding

This function allows you to forward a received call to a specified number.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '3. Call' from the Setting menu using the direction keys (or press 3).
- 4) Select '2. Call Forwarding' from the Call menu using the direction keys (or press 2).

Tips & Tricks:



3. Call Waiting

This function allows you to answer an incoming call while you have a call in progress. In this case, the first call is automatically put on hold.

5) Select desired option from the Call Forwarding menu using the direction keys, and press [Select] key.

- All Calls : Transfers all calls.
- If busy : Transfers calls while the line is busy.
- No reply : Transfers calls when there is no answer.
- Default : Returns to the default setting.

Tips & Tricks:



Tips & Tricks:



Chapter 9. Security Setting –

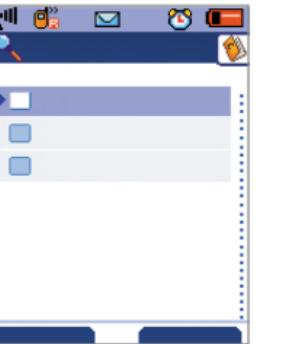
This menu allows you to configure the call settings of your phone.

4. Auto Redial

This function allows you to configure the Auto Redial option that redials the phone answered number when the person called does not answer or is already on the phone

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '3. Call' from the Setting menu using the direction keys (or press 3).
- 4) Select '4. Auto Redial' from the Call menu using the direction keys (or press 4).
- 5) Select On or Off from the Auto Redial menus using the left and right direction key, and press [Store] key.

Tips & Tricks:



Tips & Tricks:



3) Select '4. Security' from the Setting menu using the direction keys (or press 4).

4) Input your PIN.

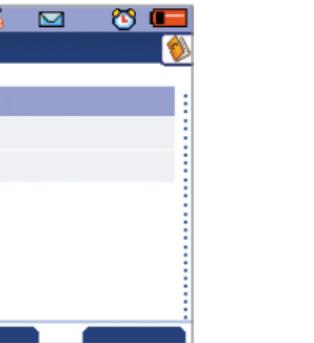
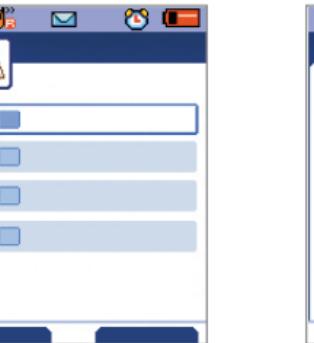
5) Select '1. Lock' from the Security menu using the direction keys (or 1).

6) Select desired options from the Lock menu using the left (and right (direction key, and press [Store] key.

- Phone : Whenever turning the phone on, you have to input your PIN.

- Menu : Whenever moving to the menu from idle screen, you have to input your PIN.

Tips & Tricks:



• Pbook : Whenever entering the Phonebook menu from the main menu, you have to input your PIN.
(When your phone is in idle mode : Pressing Phonebook key will also require your PIN.)

• Call Log : Whenever entering the Call Log menu from the main menu, you have to input your PIN.
(When your phone is in idle mode : Pressing Up, Down, or Send key will also require your PIN.)

• SMS : Whenever entering the SMS menu from the main menu, you have to input your PIN.
(When your phone is in idle mode : Pressing SMS key will also require your PIN.)

• Change Code : Changes your PIN.

Tips & Tricks:



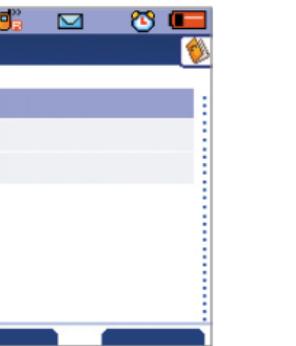
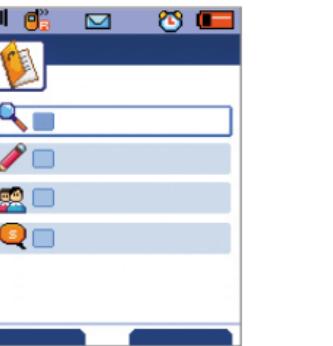
2. Changing your PIN

This function allows you to change the PIN. (PIN should be four numbers.)

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '4. Security' from the Setting menu using the direction keys (or press 4).
- 4) Input your PIN.
- 5) Select '1. Lock' from the Security menu using the direction keys (or press 1).
- 6) Select '6. Change Code' using in Lock menu.
- 7) Input your PIN.

- PIN: checks the existing PIN
- Type New PIN: inputs your PIN
- Retype New PIN: re-inputs your PIN

Tips & Tricks:



2. PIN

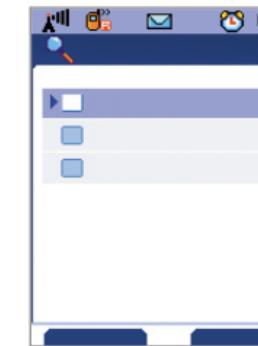
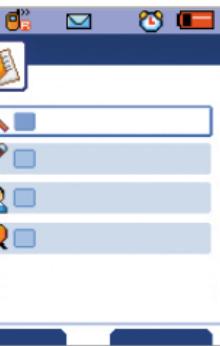
This function allows you to restrict the access to the settings so that a password (PIN) is required to access to the settings.

1. PIN Change

This function allows you to change your PIN. (This feature is available only when the phone is in the PIN enable status. The maximum length of the PIN is 8 digits.)

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '4. Security' from the Setting menu using the direction keys (or press 4).
- 4) Input your PIN.

Tips & Tricks:



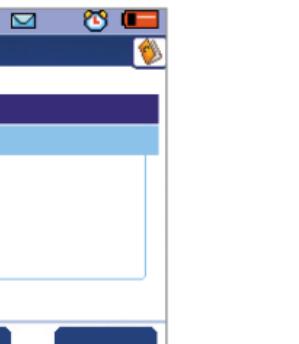
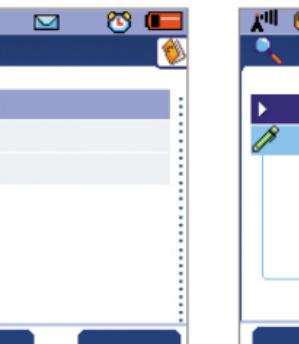
5) Select '2. PIN' from the Security menu using the direction keys .

6) Select '1. PIN Change' from the PIN menu using the direction keys .

7) Enter a new PIN to use. Once you have entered a new PIN, you are asked to confirm it by entering it again.

- Enter PIN Code : Enter the current PIN.
- Enter New PIN : Enter a new PIN.
- Re-Enter PIN : Enter the new PIN again

Tips & Tricks:

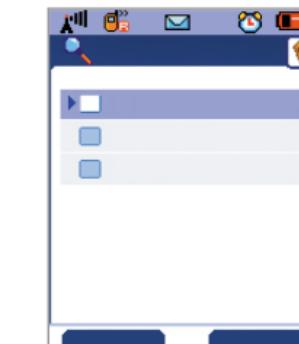
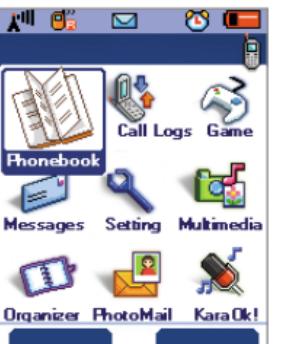


2. PIN Enable

This function allows you to determine whether to use PIN.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys  (or press 5).
- 3) Select '4. Security' from the Setting menu using the direction keys  (or press 4).
- 4) Input your PIN.

Tips & Tricks:

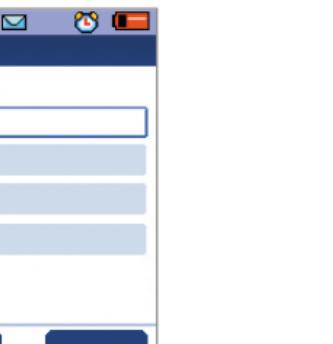
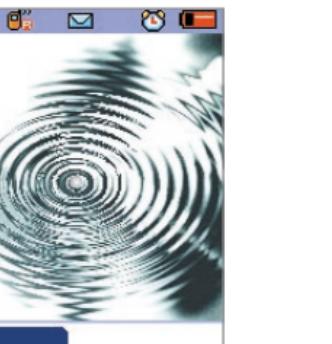


3. Restrict

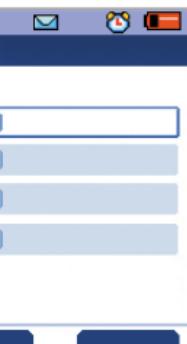
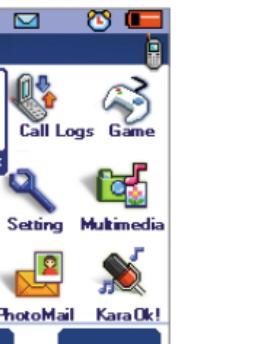
This function allows you to restrict the use of making and answering a call on your phone.

1. Receive – This function allows you to block answering a call.
2. Dial – This function allows you to block making a call. (However, making an emergency call is allowed.)
3. Overseas – This function allows you block making an international call.
 - 1) When the idle screen is displayed, press 'MENU' key.
 - 2) Select 'Setting' from the menu using the direction keys (or press 5).
 - 3) Select '4. Security' from the Setting menu using the direction keys (or press 4).
 - 4) Input your PIN.

Tips & Tricks:



Tips & Tricks:



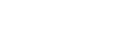
5) Select '3. Restrict' from the Security menu using the direction keys .

6) Select '1. Receive' from the Restrict menu using the direction keys .

7) Select On or Off from the Receive menus using the left  and right  direction key, and press [Store] key.

8) Select '2. Dial' from the Restrict menu using the direction keys .

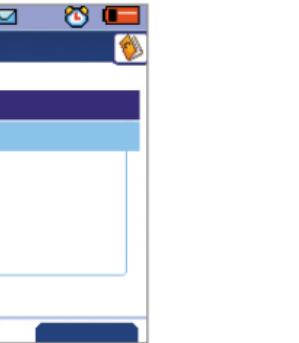
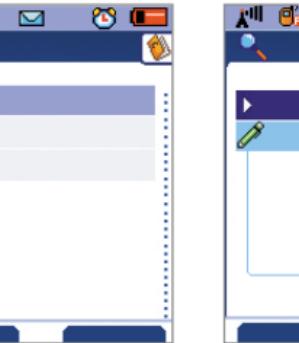
9) Select On or Off from the Dial menus using the left  and right  direction key, and press [Store] key.

10) Select '3. Overseas' from the Restrict menu using the direction keys .

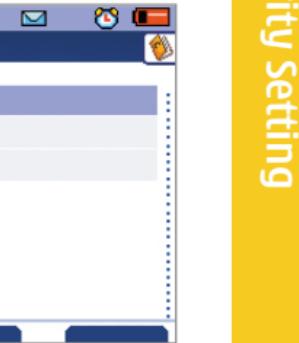
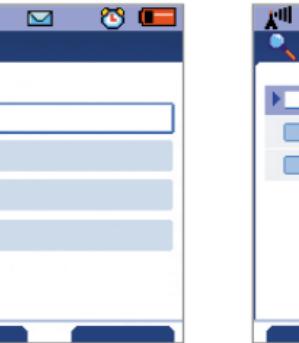
11) Select On or Off from the Overseas menus using the left  and right  direction keys, and press [Store] key.

• If making a call is blocked; you cannot make an overseas call.

Tips & Tricks:



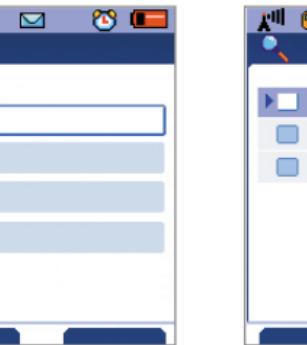
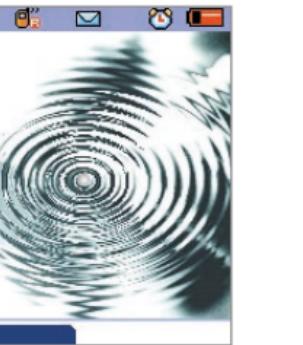
Tips & Tricks:



* (2.) New Number – This function allows you to reject all new call number.
(If there is already 5 reject call numbers specified, add operation will not be allowed.)

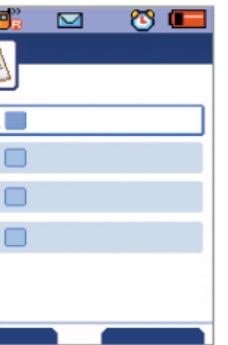
13) Input information in each field.

Tips & Tricks:



* (3.) Delete – This function allows you to delete some of the existing reject call number information.
14) Select '3. Delete' from the Restrict menu using the direction keys .
15) Select and delete a desired item to delete from the Reject Call list using the direction keys .

Tips & Tricks:



4. Emergency No.

This function allows you to add, edit, and delete emergency phone numbers (Emergency No.).

(You can specify up to 3 emergency phone numbers.

Making a call to the registered emergency phone number is allowed when the phone is in Phone or Log Lock status.)

1. Name

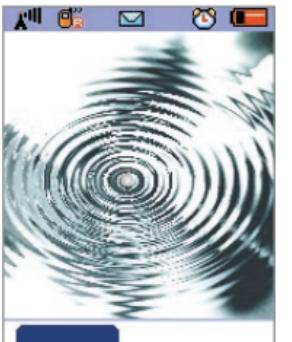
This function allows you to edit the detailed information on the selected emergency call.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).

Tips & Tricks:



Tips & Tricks:



3) Select '4. Security' from the Setting menu using the direction keys (or press 4).
4) Input your PIN.
5) Select '4. Emergency No.' from the Security menu using the direction keys (or press 4).
6) Select '1. Name' from the Emergency No. menu using the left and right direction key.

Tips & Tricks:

7) Input information in each field.

- Name : Input the name of the Emergency No.
- Number : Input a call number to be registered as Emergency No.
- Store : Stores the information on the Emergency No.

Tips & Tricks:

2. New Number

This function allows you to add new Emergency No. information.

(If there is already 3 Emergency No. registered, add operation will not be allowed.)

8) Select '2. New Number' from the Emergency No. menu using the direction keys .

9) Input information in each field.

- Name : Input the name of the Emergency No.
- Number : Input a call number to be registered as Emergency No.
- Store : Stores the information on the Emergency No.

Tips & Tricks:



3. Delete

This function allows you to delete some of the existing emergency call numbers.

10) Select '3. Delete' from the Emergency No. menu using the direction keys .

11) Select and delete a desired item to delete from the Emergency No. list using the direction keys .

Tips & Tricks:



Chapter 10. System Setting

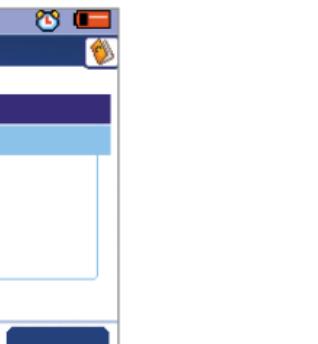
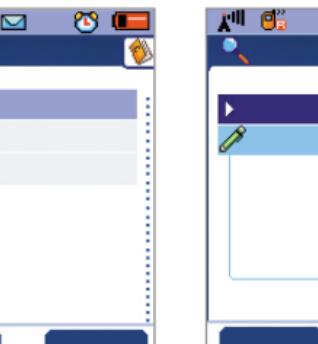
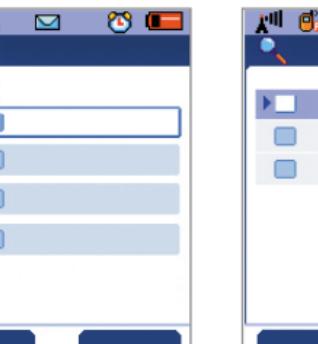
— This menu allows you to configure the phone system settings.

1. Owner

This function allows you to view the service number of the current owner of the phone. (The number is displayed when a new R-UIM card is inserted.)

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '5. System' from the Setting menu using the direction keys (or press 5).
- 4) Select '1. Owner' from the System menu using the direction keys (or press 1).

Tips & Tricks:



2. S/W Versions

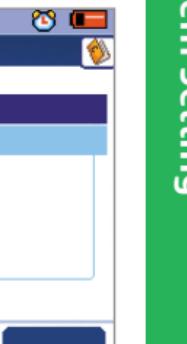
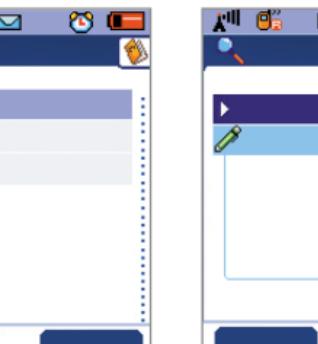
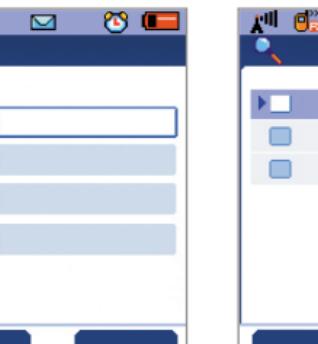
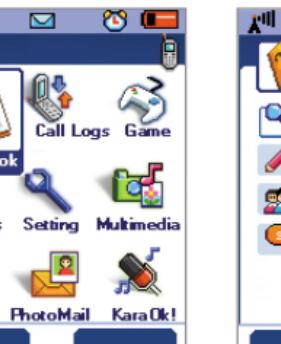
This function allows you to view the Software's version and Compiled Date.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the menu using the direction keys (or press 5).
- 3) Select '5. System' from the Setting menu using the direction keys (or press 5).
- 4) Select '2. S/W Versions' from the System menu using the direction keys (or press 2).
- 5) Check the version of each menu in the S/W Versions menu.

- Firmware : The version of the embedded software
- Date : The data the embedded software is compiled
- WAP : WAP Browser version
- J2ME : J2ME version

- MPEG-4 : MPEG-4 version
- Photomail : Photomail version

Tips & Tricks:



3. Memory

1. Memory Check – This function allows you to view current memory usage of your phone.

2. Clear Memory – This function allows you to delete the data in the memory of your phone.

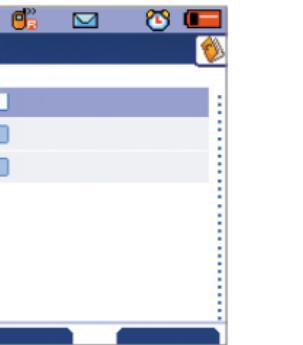
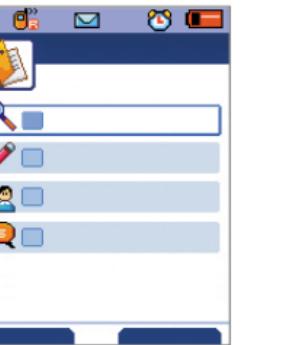
1) When the idle screen is displayed, press 'MENU' key.

2) Select 'Setting' from the menu using the direction keys (or press 5).

3) Select '5. System' from the Setting menu using the direction keys (or press 5).

4) Select '3. Memory' from the Security menu using the direction keys (or press 3).

Tips & Tricks:



5) Select '1. Memory Check' from the Memory menu using the direction keys ().

- Phonebook : Shows the maximum and the current number of information.

- Schedule : Shows the maximum and the current number of schedule information.

- Multimedia : Shows the maximum and the current multimedia (such as video, photograph, etc.) memory in Kbytes.

6) Select '2. Clear Memory' from the Memory menu using the direction keys ().

7) Select desired item to delete from the Clear Memory menu using the left () and right () direction key, and press [Select] key.

- Phonebook : Deletes the Phonebook information saved in the memory.

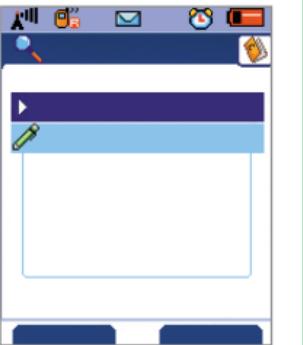
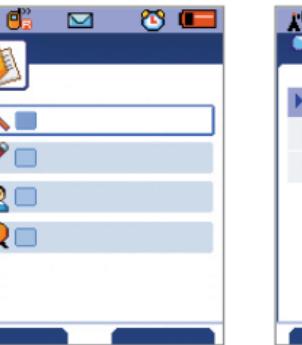
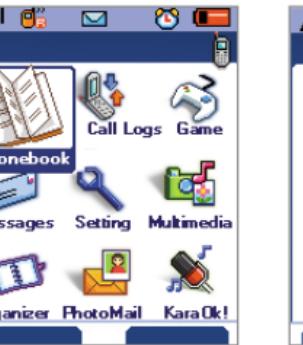
- Schedule : Deletes the schedule information saved in the memory.

- Call Log : Deletes the received and dialed call numbers saved in the memory.

- Call Timer : Initializes the call time saved in the memory.

- ALL : Initializes the Phonebook, Schedule, Call Log, and Call Timer information saved in the memory.

Tips & Tricks:

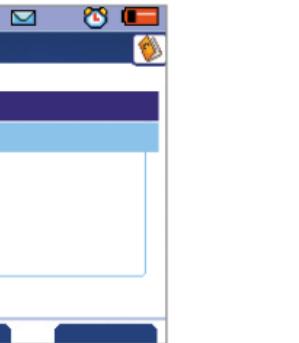
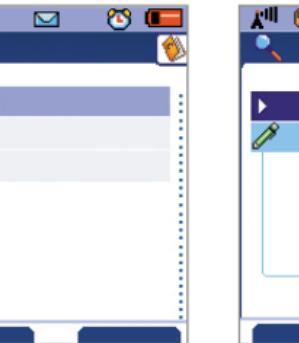
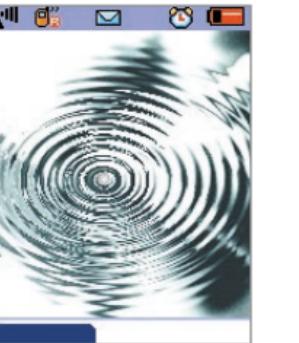


4. Reset

1. Factory Reset – This function allows you to initialize the memory of your phone to the factory setting.
(This function initializes the memory to the factory setting, turns the phone off, and turns it on again.)
2. Soft Reset – This function allows you to cut off the power of your phone by force.
(This function turns the phone off, and turns it on again.)

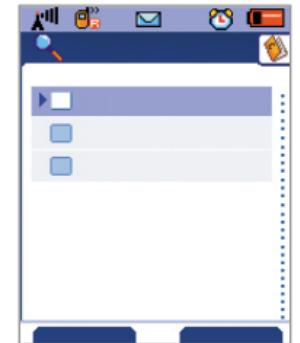
- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Setting' from the Menu using the direction keys (or press 5).
- 3) Select '5. System' from the Setting menu using the direction keys (or press 5).
- 4) Select '4. Reset' from the System menu using the direction keys (or press 4).
- 5) Select '1. Factory Reset' from the Reset menu using the up (and down (direction key (or press 1).

Tips & Tricks:



- 6) Input and confirm your PIN.
- 7) Select [Yes] for factory reset. Otherwise select [No].
- 8) Select '2. Soft Reset' from the Reset menu using the direction keys (or (.
- 9) Select [Yes] for soft reset. Otherwise select [No].

Tips & Tricks:



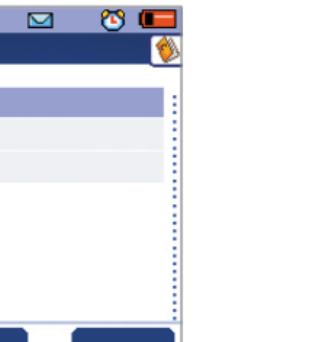
Chapter 11. Multimedia – This menu allows you to configure the multimedia configuration of your phone.

1. Camera Capture

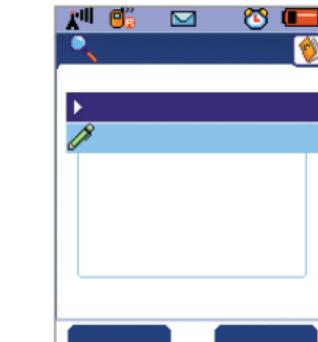
This function allows you to capture a photograph through the external camera, save the photograph as a file, and send the photograph as a Photomail.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Multimedia' from the menu using the direction keys (or press 6).
- 3) Select '1. Camera Capture' from the Multimedia menu using the direction keys (or press 1).
- 4) Camera Visor
- 5) Camera Snap Shot

Tips & Tricks:



Tips & Tricks:



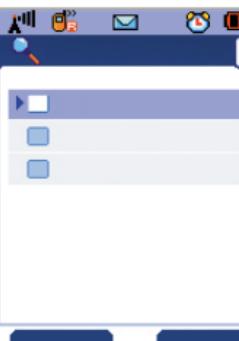
Tips & Tricks:

- Delete : Deletes the captured photograph.

2. List Type

This function allows you to download saved multimedia files through WAP Browser.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Multimedia' from the menu using the direction keys (or press 6).
- 3) Select '2. List Type' from the Multimedia menu using the direction keys (or press 2).
- 4) Select desired item from the List Type menu using the left and right direction key.
- 5) Make a connection and then upload or download desired multimedia files.

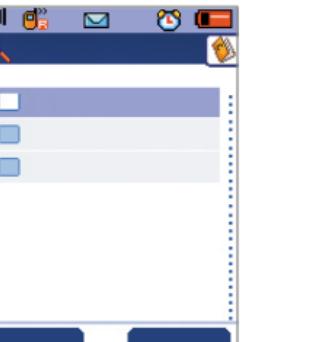
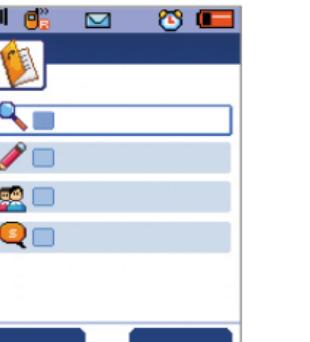
Tips & Tricks:

3. Media File

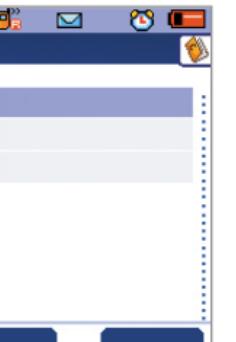
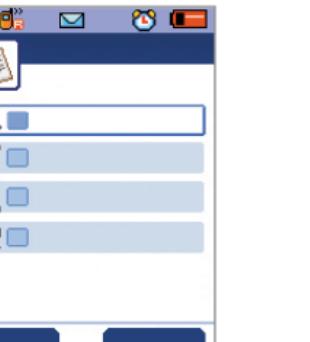
This function allows you to play, management, and upload a multimedia file through WAP connection.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Multimedia' from the menu using the direction keys (or press 6).
- 3) Select '3. Media File' from the Multimedia menu using the direction keys (or press 3).
- 4) Select desired item from the Media File menu using the left and right direction key.
- 5) Select desired item, and select one of the following functions using the left and right direction key.

Tips & Tricks:

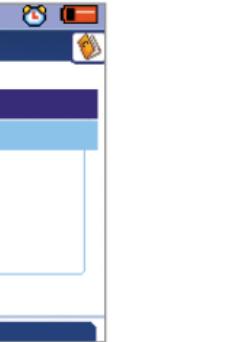
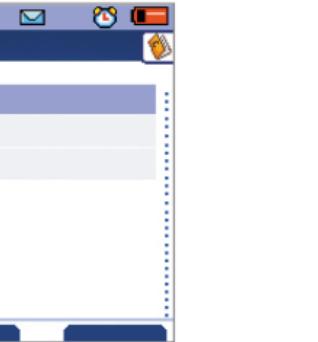
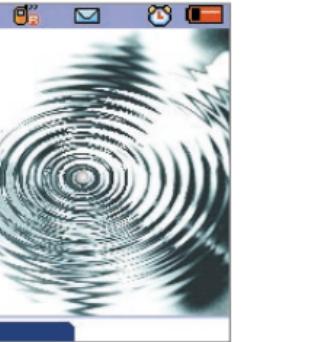


Tips & Tricks:



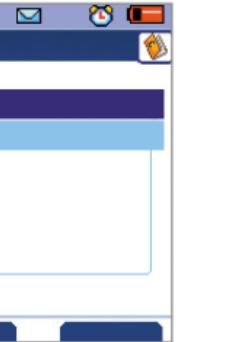
- **Rename** : Changes the name of the selected image file.
- **Delete** : Deletes the selected image file.

Tips & Tricks:



Properties : Shows the properties of the selected media file.
Title : File name
Data Size : File size
Date : Date when the file has been saved
Time : Time when the file has been saved
Protected : Protection mode of the file
Status

Tricks & Tips:



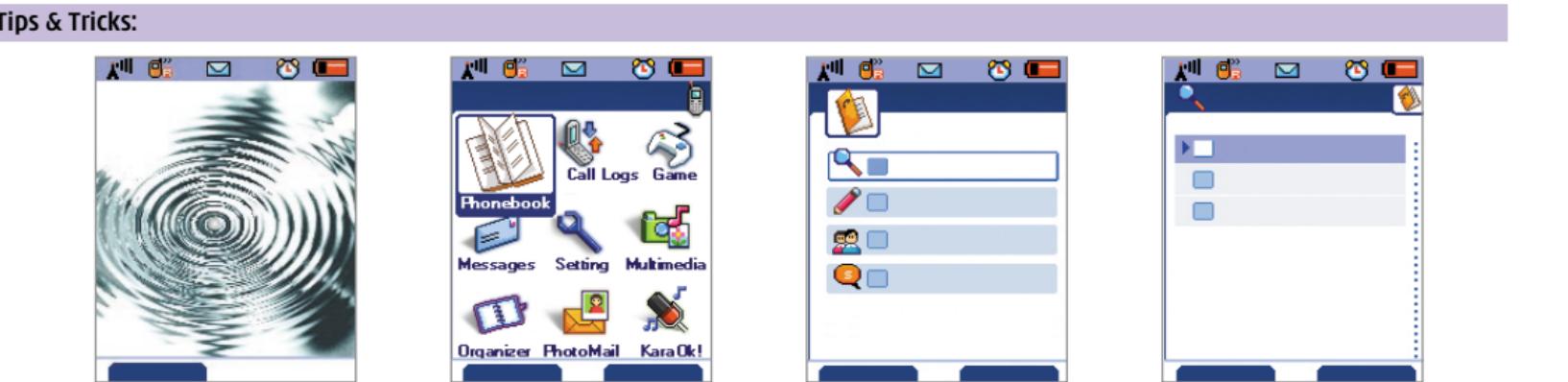
Chapter 12. Organizer — This menu enables you to use accessory functions provided by your phone.

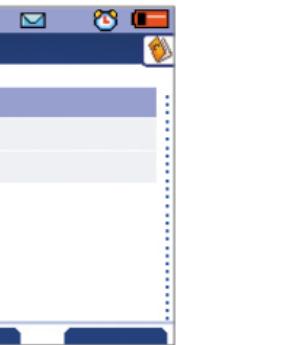
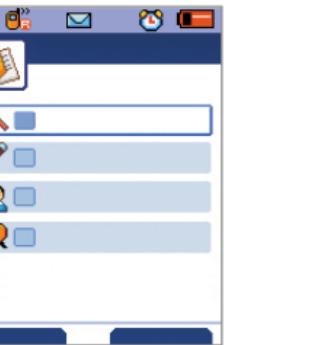
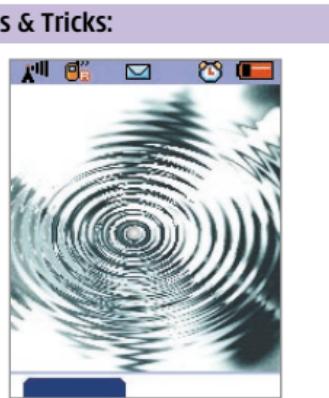
1. Schedule

This function allows you to use and mange Calendar and schedule function.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Organizer' from the menu using the direction keys (or press 7).
- 3) Select '1. Schedule' from the Organizer menu using the direction keys (or press 1).
- 4) After selecting desired date using the direction keys (or press 1), you can add, edit and delete schedule information.

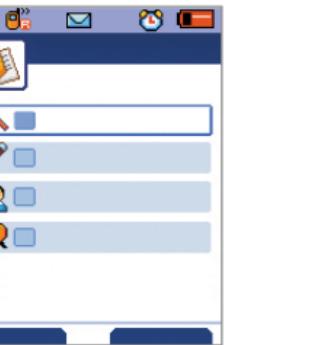
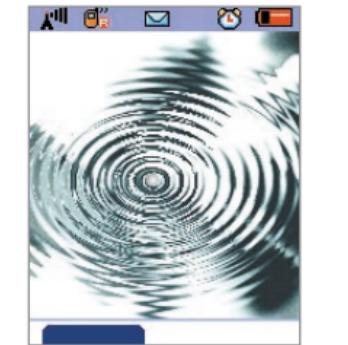
- (1) View : Shows the schedule of the selected date.
- (2) New : Adds a new schedule to the selected date.





- Title : Input the title of the schedule.
- Date / Time : Specify the time of the schedule.
- Note : Input the description of the schedule.
- Store : Stores the configured schedule.
- (3) Delete : Deletes the schedule of the selected date.

Tips & Tricks:

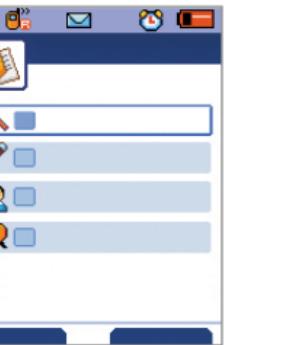
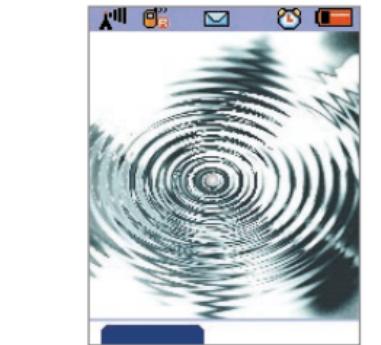


2. Alarm

This function allows you to configure alarm settings.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Organizer' from the menu using the direction keys (or press 7).
- 3) Select '2. Alarm' from the Organizer menu using the direction keys (or press 2).
- 4) Select desired settings in the ALARM menu using the direction keys (or press 2).
 - (1) Enable : Determines whether to use the Alarm function (On / Off)

Tips & Tricks:



3. Calculator

This function allows you to use simple calculator function.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Organizer' from the menu using the direction keys (or press 7).
- 3) Select '3. Calculator' from the Organizer menu using the direction keys (or press 3).
- 4) Input numbers and operators in the Calculator menu.

(2) Alarm Type : Determines alarm notification method.

- Once : Alarms once at the specified time.
- Daily : Alarms day by day at the specified time.
- Mon-Sat : Alarms from Monday to Saturday at the specified time.
- Mon-Fri : Alarms from Monday to Friday at the specified time.

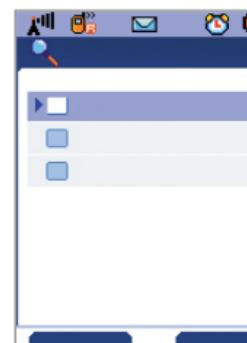
(3) Set time : Determines the alarm time.

- You can configure the alarm types only when the Enable option is On.

Tips & Tricks:



Tips & Tricks:

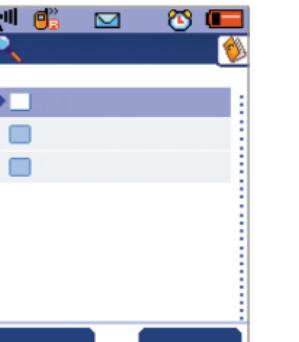


4. Global Time

This function allows you to check the current time by using the Greenwich Mean Time (GMT) and major cities around the world.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Organizer' from the menu using the direction keys (or press 7).
- 3) Select '4. Global Time' from the Organizer menu using the direction keys (or press 4).
- 4) Select desired city from the Global Time menu using the left and right direction key.

Tips & Tricks:

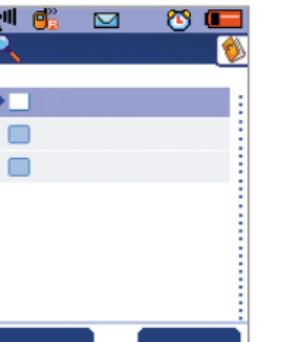


5. Stopwatch

This function allows you to use it as a stopwatch.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Organizer' from the menu using the direction keys (or press 7).
- 3) Select '5. Stopwatch' from the Organizer menu using the direction keys (or press 5).
 - Start : Starts the stopwatch

Tips & Tricks:



Tips & Tricks:

*For information on the Photo mail, refer to "Additional Services" in 15. Appendix.

Chapter 13. Karaoke

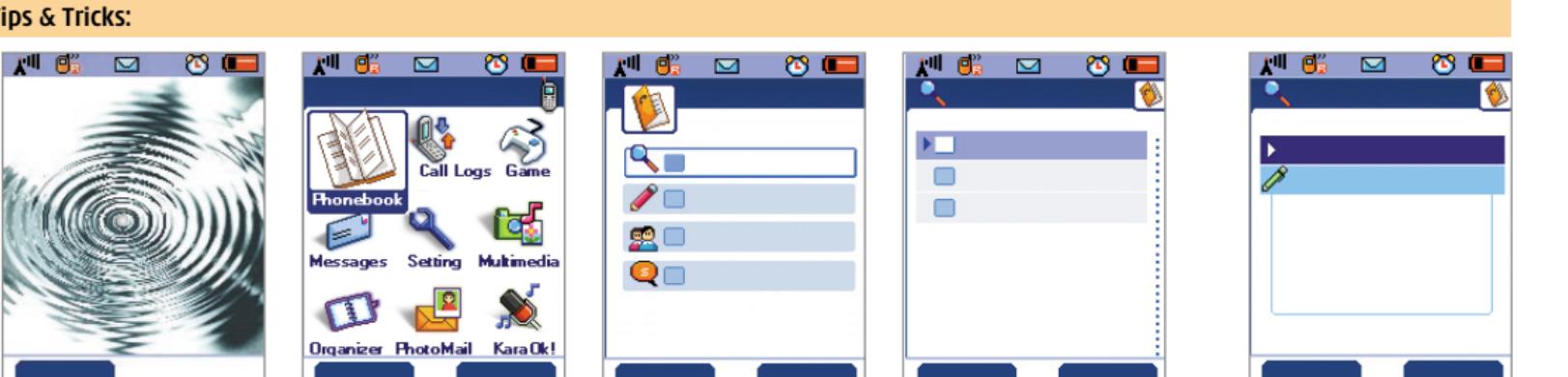
1. My Karaoke List

This function shows you howto downloaded a karaoke data list.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'Karaoke' from the main menu using the direction keys (or press 9).
- 3) Select '1. My Karaoke List' from the Karaoke menu by using the direction keys (or press 1).
- 4) Select desired item from the list, and select Option menu.

(1) Play : Plays the karaoke

- Depending on the current play item, Karaoke Animation is displayed.



(2) Rename : Changes the item name

(3) Delete : Deletes the item

- Properties item information view
 - Title : File name
 - Artist : Artist name
 - Length : Play time
 - Data Size : File size
 - Date : Downloaded date
 - Time : Downloaded time
 - Protected: Delete protection setting

Tips & Tricks:

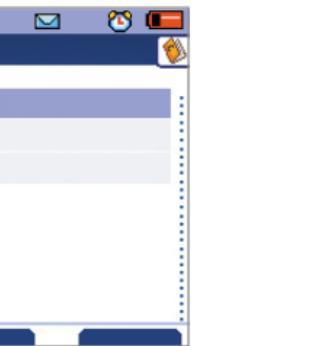


2. Download

This function allows you to download Karaoke data directly over the network.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'KaraOK!' from the main menu by using the direction keys (or press 9).
- 3) Select '2. Download' from the Karaoke menu by using the direction keys (or press 2).
- 4) Move to the download page, and download Karaoke data.

Tips & Tricks:

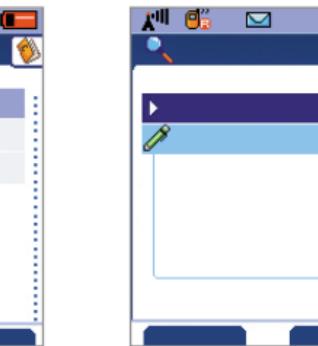
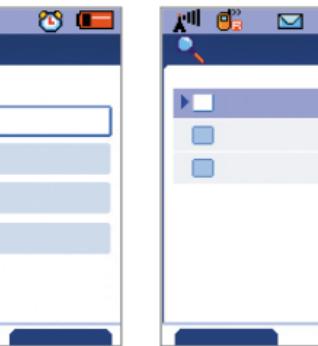
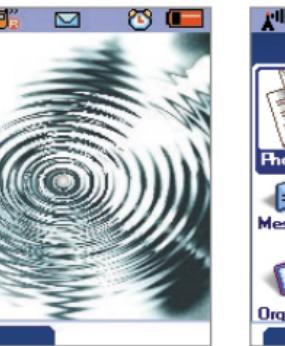


3. Karaoke Help

This function shows you help information about the Karaoke menu.

- 1) When the idle screen is displayed, press 'MENU' key.
- 2) Select 'KaraOK!' from the main menu using the direction keys (or press 9).
- 3) Select '3. Karaoke Help' from the Karaoke menu using the direction keys (or press 3).
- 4) Read the help information about the Karaoke menu.

Tips & Tricks:



Chapter 14. How to input characters

1. When the Phone Is In Edit Mode,



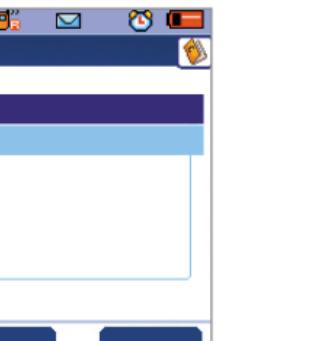
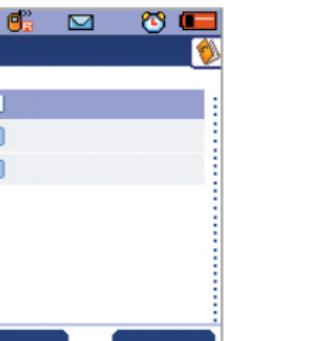
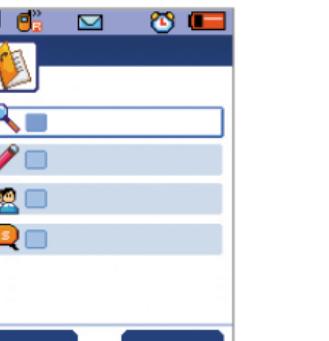
140

2. After Selecting Character Mode to Input (# key)

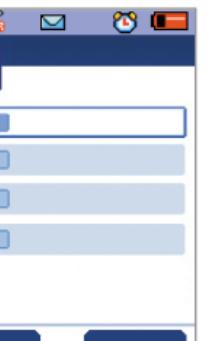
- Non-predictive : Direct input method , Predictive : Composition input method.

It turns Matrix Thai (Non-predictive) -> Traditional Thai T9 (Predictive)
-> Traditional English T9 (Predictive) -> Multi-tap Thai (Non-predictive)
-> Multi-tap English (Non-predictive) in order.

Tips & Tricks:



Tips & Tricks:



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3. To Input Desired Characters...

* Non-predictive : Direct input method

- This mode allows you to enter letters by pressing the key labeled with the required letter once, twice, three or four times until the letter is displayed.

(Example) To input 'school' using Multi-tap English (Non-predictive),

7(p)->7(q)->7(r)->7(s)	→ 's' has been inputted.
2(a)->2(b)->2(c)	→ 'c' has been inputted.
4(g)->4(h)	→ 'h' has been inputted.
6(m)->6(n)->6(o)	→ 'o' has been inputted.
6(m)->6(n)->6(o)	→ 'o' has been inputted.
5(j)->5(k)->5(l)	→ 'l' has been inputted.
→ 'school' has been inputted.	

Tips & Tricks:



→ $7*4(s) + 2*3(c) + 4*2(h) + 6*3(o) + 6*3(o) + 5*3(l)$ $7*4$ means pressing 7 key four times

** Predictive : Composition input method.

- This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter. The Predictive mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word.

(Example) To input 'school' using Traditional English T9 (predictive),

7(p)	→ p
7(p)+2(c)	→ pc
7(r)+2(a)+4(g)	→ rag
7(p)+2(a)+4(i)+6(n)	→ pain
7(s)+2(c)+4(h)+6(o)+6(o)	→ schoo
7(s)+2(c)+4(h)+6(o)+6(o)+5(l)	→ school
→ 'School' has been inputted.	

→ Press 7 key (s) + Press 2 key (c) + Press 4 key (h) + Press 6 key (o) + Press 6 key (o) + Press 5 key (l)

Tips & Tricks:



→ $7*4(s) + 2*3(c) + 4*2(h) + 6*3(o) + 6*3(o) + 5*3(l)$ $7*4$ means pressing 7 key four times

4. To Change Case...

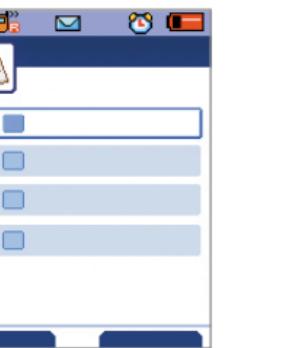
Press * key shortly in English input mode to change case.

Tips & Tricks:

~ * key



~ * key



~ * key

5. To Input Numbers Quickly...

Press and hold down # key to change the mode to Number input mode.

Tips & Tricks:

~ # key



6. The Input Special Characters and Emoticons ...

Press * key shortly or for a while in Thai mode.

Otherwise, press and hold down * key for a while in English mode.

Then symbol and emoticon sets are displayed on the bottom of the screen, and you can select your desired character to input using the direction and number keys.

Tips & Tricks:



7. To Delete Characters ...

In Traditional Thai/English T9 mode ...

Press Clear key to delete a character, and

Press and hold down Clear key to erase a word.

In Matrix and Multi-tap mode ...

Press Clear key to delete a character, and

Press and hold down Clear key to erase a sentence.

Tips & Tricks:

8. To Insert Characters ...

Move the cursor to a desired location using the direction keys , and input desired character.

Tips & Tricks:

Chapter 15. Screen Architecture

Photo Sevice

The beginning screen for Photo Mail service.

1. Capture

Function for displaying Image information that is received from the Camera.

- [OK] → [1-1]
- [BACK]
- ▶ Shift after Selecting 1. Capture from [0]Photo Service → [0]
- ▶ Shift after Selecting 3. New Photo from [3-4]Send New Mail → [3-4]
- Checking the image format that is provided from the Camera (JPEG, RGB data etc.)
- UI may changed dependency of the image size
- if support from the Phone, direction key for Zoom In/Out is  stands for brightness of the image.

Tips & Tricks:



- Displays the image information that user has Captured with the Camera
- [SAVE]
- ▶ [0]Photo Service, 1.Capture Select → [2-1-4]
- ▶ [3-4]Send New Mail, 3.New Photo Select → [3-4-1]
- [BACK] → [1]

Tips & Tricks:



2. My Album

Selecting a folder from My Album

- [0]Photo Service , 2.My Album Select

- [Select/OK]

When there is an image in the selected folder -> [2-1]

When there are no images in the selected Folder -> [2-0] -> [2]

- [BACK] -> [0]

- [3-4]Send New Mail, 2.From my Album select

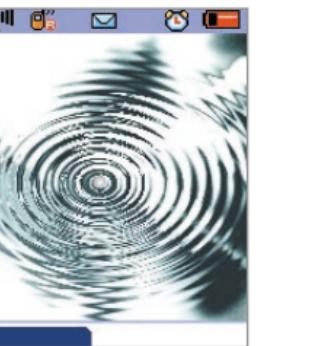
- [Select/OK]

When there is an image in the selected folder -> [2-1]

When there are no images in the selected Folder -> [2-0] -> [2]

- [BACK] -> [3-4]

Tips & Tricks:



- Alert Screen showing selected folder does not contain any images.

- After few seconds move to previous screen.

- Display Image Title list in the selected folder.

- [OK>Select] -> [2-1-1]

- [BACK] -> [2]

- Screen for showing selected image

- [0]Photo Service, 2.My Album Select

- [MENU] -> [2-1-2]

- [BACK] -> [2-1]

- [3-4]Send New Mail, 2.From my Album

- [OK] -> [3-4-1]

- [BACK] -> [2-1]

-

-

-

-

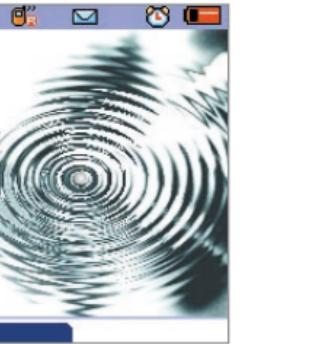
-

Tips & Tricks:



- Menu function for Selected image
 - [OK>Select]
- Send Mail → [3-4-1], Photo Sync → Connect with sever and uploading selected image → [4-1-2], Save as Wallpaper → [2-1-3], Modify Photo Name → [2-1-4], Delete → [2-1-5], Delete All → [2-1-6], Slide Show → [2-2-2]
 - [BACK] → [2-1-1]
- Screen for showing image has been set as Wallpaper
 - shift to [2-1-1] after few second
- Screen for inserting Image Name

Tips & Tricks:



- shift from [2-1-2]5.Modify Photo Name
 - [SAVE]
- Save the image with changed name → [2-1]
 - When the name is not inserted or the format is not properly inserted → [2-1-4-1]
 - When there is no saving space → [2-1-4-2]
 - [BACK] → [2-1-2]
- [3-3-4] To save the image that has been attached to the mail
 - [SAVE]
- Save the image with inserted name → [3-3-4]
 - When the name is not inserted or the format is not properly inserted → [2-1-4-1]
 - When there is no saving space → [2-1-4-2]
 - [BACK] → [3-3-4]
- [0]Photo Service, 1.Capture Select
 - [SAVE]
- Save image as inputted name → [2-1]
 - When name has not been inputted or not in correct format → [2-1-4-1]
 - When there is not enough space for storing → [2-1-4-2]
 - [BACK] → [1-1]

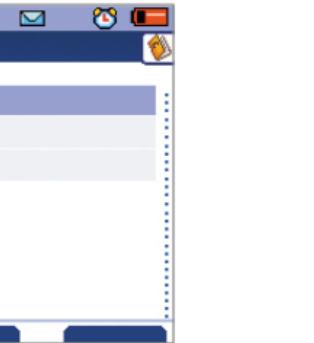
Tips & Tricks:



- Alert screen for confirming that Photo Name is not inserted or the format is not properly inserted.
 - shift to [2-1-4] after few second
- Alert Message
 1. When Photo Name is not inserted: "Enter Photo Name."
 2. When format of the Photo Name is not correct: " Enter Photo name.

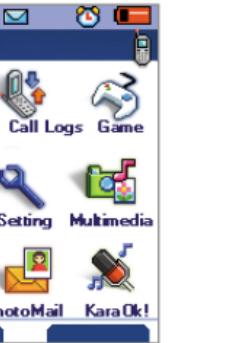
Except * ? / . <> \ " |"
- Alert screen for confirming that there is no space to save the image
 - shift to [2-1-4] after few second
- Confirmation screen for deleting single Image
 - [YES] → [2-1-1]
 - [NO] → [2-1-2]
 - [YES] delete the image then view the next screen image
- Confirmation screen for deleting all the image from the folder
 - [YES] → [2]
 - [NO] → [2-1-2]

Tips & Tricks:



- View the selected image as Slide show from the album
 - move to next Image screen by selected speed
 - [MENU] → [2-2-1]
 - [BACK] → [2-1]
 - Slide show will be stop if select  key
- Screen for selecting a menu key for during the Slide Show and all the function are same as [2-1-2] except Setting
 - [2-2-2] shift from Slide Show
 - [OK>Select]
- 8. Slide Show Setting → [2-2-4]
 - [BACK] → [2-2-2]
 - Screen setting for Slide Show function
 - [OK] → [2-2-2]
 - [BACK] → [2-2-1]
 - Default value is Fast

Tips & Tricks:

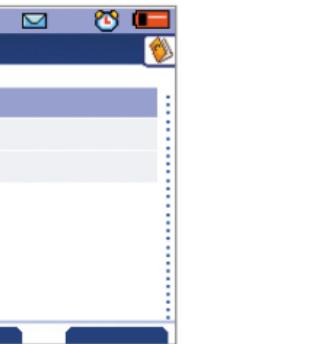
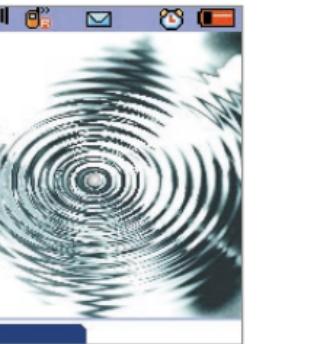


3. Mail Center

The beginning screen for Mail Center

- [OK>Select]
- Send New Mail -> [3-4], Mail Box -> [3], My Accounts -> [3]
- [BACK] -> [0]
- If there is no saved account -> [3-1-2]
- If there is several account (more than one) -> [3-1]
- Screen for connecting mail center account
- shift after selecting from 2.Mail Box from [3-0]Mail Center
 - [Select] -> [3-2]
 - [MENU] -> [3-1-1]
 - [BACK] -> [3-0]
- shift after selecting 3.My Account from [3-0]Mail Center
 - [Select/MENU] -> [3-1-1]
 - [BACK] -> [3-0]

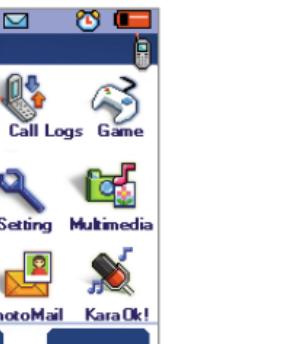
Tips & Tricks:



- Screen menu for an account

- List lineup might changed when user select in regards 2.Mail Box, 3.My Accounts of [3-0] Mail Center
(if user decide to select 3.My Accounts, 1.Connect Account will be disappear and shift to the list of My Accounts menu)
- shift after selecting 2.Mail Box of [3-0]Mail Center
 - [OK>Select]
 - Connect Account -> [3-2],
 - Add Account -> [3-1-2],
 - Edit Account -> [3-1-2],
 - Delete Account -> [3-1-3]
 - [BACK] -> [3-1]
- [3-0]shift after selecting 3.My Accounts of Mail Center
 - [OK>Select]
 - Add Account -> [3-1-2],
 - Edit Account -> [3-1-2],
 - Delete Account -> [3-1-3]
 - [BACK] -> [3-1]

Tips & Tricks:



- Screen for Add Account / Edit Account
 - explanation of each category
 - Display Name : display name from [3-1]
 - Mail ID : ID to certify for IMAP server
 - Password : Password to certify for IMAP server
 - IMAP Server : IMAP server address
 - [SAVE]
 - after saving account -> [3-1]
 - when account information is not input or the format is not proper -> [3-1-2-1]
 - [BACK]
 - when there is an account and shift to add more account -> [3-1]
 - [BACK]
 - when there is no account? and shift to add new account -> [3-0]
 - [BACK]
- Alert screen for when Account information is not correct or the format is not proper.
 - shift to [3-1-2] after few second
 - Alert Message
- 1. If the Account information is not inserted: "Please. Fill up the every Form!" If it is not IMAP Server: "Not a proper IMAP server format. Re-input Please."

Tips & Tricks:



- Screen for deleting account
 - [YES>Select] -> delete a selected account -> [3]
 - [NO] -> [3-1-1]
- Attempt to connect to server with a selected information
 - if connecting is successful-> [3-3]
 - if connecting is failed -> [3-2-1]
 - [CANCEL] -> after connecting is finished -> [3-1]
- Screen when sending mail has failed
 - shift to previous screen after few second
 - View the listed mailbox that are connected to the server
 - [OK>Select]
- INBOX, SENT, DRAFT -> [3-2] screen (screen for connecting to the server) -> success -> [3-3-1]
- INBOX, SENT, DRAFT -> [3-2] screen (screen for connecting to the server) -> Failed -> [3-2-1] -> [3-3]
 - [BACK] -> [3-3]

Tips & Tricks:



- Display the mailbox mails.
 - Screen to apply to INBOX, SENT, DRAFT
 - [MENU] -> [3-3-2]
 - [Select]
- [3-2] screen (screen for connecting to the server) -> when server successfully download the data -> [3-3-3]
- [3-2] screen (screen for connecting to the server) -> when server failed to download the data -> [3-2-1] -> [3-3-1]
 - [BACK] -> [3-3]
- message screen when there is no mail in the Mail Box
 - [BACK] -> [3-3]
 - [OK] -> [3-3]
- menu function for selected mail
 - [OK>Select]
- Open -> [3-2]screen (display the connection to the server) -> when server is successfully download the data -> [3-3-3]
- Open -> [3-2]Screen (display the connection to the server) -> when server failed to download the data-> [3-2-1] -> [3-3-2]
- Delete -> [3-3-5],Delete All -> [3-3-6]
 - [BACK] -> [3-3-1]

Tips & Tricks:



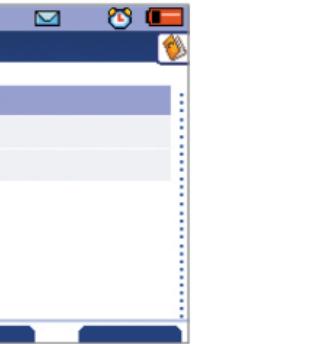
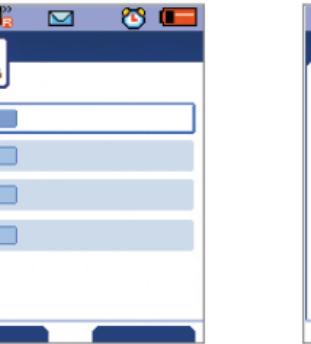
- view the Selected mail message
 - [SAVE] -> [1-2](shift to selecting folder screen, insert the file name after selecting the folder.)
 - [BACK] -> [3-3-1]
- Confirmation screen for deleting Mail
 - [YES>Select]
- Delete Selected mail -> [3-3]
- When there is no mail in the mailbox after deleting the Selected mail. -> [3-3-1-1]
 - [NO] -> [3-3-2]
- Confirmation screen for deleting whole Mail
 - [YES>Select] -> delete all regarding mail from the mailbox -> [3-3]
 - [NO] -> [3-3-2]
- Menu function for sending new mail.
 - [OK>Select]
- TXT Mail -> [3-4-1], From My Album -> [2], New Photo -> [1]
 - [BACK] -> [3-0]

Tips & Tricks:



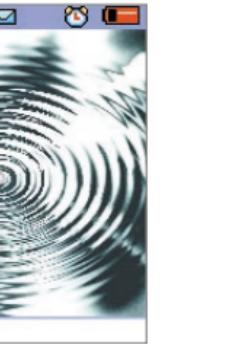
- Screen for creating the title and message
 - [MENU] -> [3-4-2]
 - [BACK] -> [3-4]
- Screen to create recipient.
 - [OK>Select]
- Access PhoneBook -> [3-4-2-1]
- Input Email Address -> [3-4-2-2]
- Input PhoneNumber -> [3-4-2-3]
 - [BACK] -> [3-4-1]
- Screen to create Receiver's phonebook.
 - [OK>Select]
- Search -> [3-4-2-1-1], Ascending Sorting -> [3-4-2-1-3]
 - [BACK] -> [3-4-2]
- Screen for inserting name to searching PhoneBook
 - [OK]
- If search result is 0 -> [3-4-2-1-2] If there is result -> [3-4-2-1-4] If the result are several (more than two)-> [3-4-2-1-3]
 - [BACK] -> [3-4-2-1]

Tips & Tricks:



- Screen display for when there is no result.
 - shift automatically after few second -> [3-4-2-1-1]
- Screen for list of names by alphabetical order
 - [OK>Select] -> [3-4-2-1-4]
 - [BACK]
- when [3-4-2-1]2.Ascending Sorting -> [3-4-2-1]
- [3-4-2-1]1.After search more than one result is returned(More than 2) move to -> [3-4-2-1-1]
- View the selected name from the phonebook to be able to select one category by using the radio button.
 - [OK] -> [3-4-3]
 - [BACK] -> [3-4-2-1]
- shift when searching return value is more than one form [3-4-2-1-1] -> [3-4-2-1]
- Shift from [3-4-2-1-3]Phone Book list -> [3-4-2-1-3]

Tips & Tricks:



- Screen for inserting recipient's Email address.

- Insert Email Address only -> sends mail server only for notification that SMS cannot be sent.
- when insert Email Address and Phone Number -> sends mail server notification that SMS cannot be sent and then by dialing the phone to alert that SMS cannot be sent.
- [OK]

If inserted information is correct -> [3-4-3]

If inserted information is a blank or the format is not correct-> [3-4-2-1]

- [BACK] -> [3-4-2]

- Alert screen for when inserted information is a blank or format is not correct

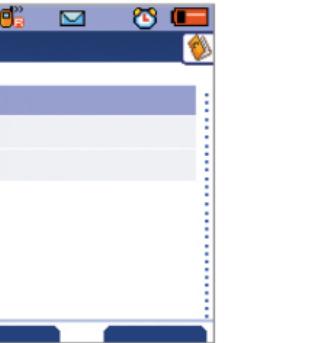
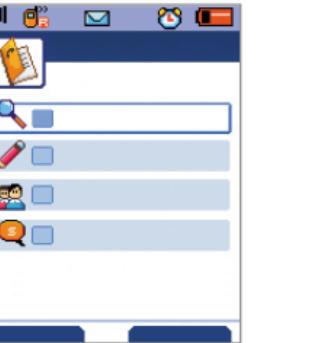
- shift after few second to

- ⇒ [3-4-2-2] When Receiver's email address is inputted -> [3-4-2-2]
- ⇒ [3-4-3-0] When Sender's Email address is inputted -> [3-4-3-0]

Alert Message

1. When Email is not inserted: "Enter E-mail Address."
2. When format of Email Address is not correct: "Not a proper E-mail format. Re-input Please."

Tips & Tricks:



- Screen for inserting Recipient's Phone Number.

- [OK]

When the inserted information is correct -> [3-4-3]

When the inserted information is blank for the format , it is not correct -> [3-4-2-1]

- [BACK] -> [3-4-2]

- Alert screen when inserted information is blank or the format is not correctly inserted.

- shift to [3-4-2-3] after few seconds

Alert Message

1. When Phone Number is not inserted: "Enter Phone Number."
2. When format of Phone Number not correct : "Not a proper Phone number format. Re-input Please."

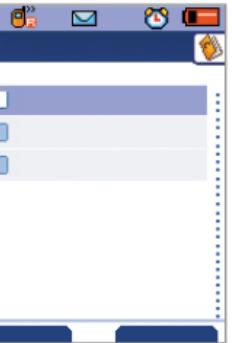
- Display the recipient's Address/Phone number list.

- [OK]

- ⇒ When sending as Phone Number
 - > If TXT Mail -> [3-4-3-2]
 - > If Photo Mail -> [3-4-3-1]
- ⇒ When sending as email -> [3-4-3-0]

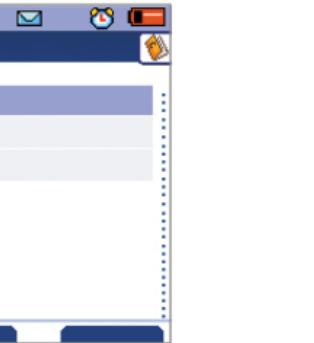
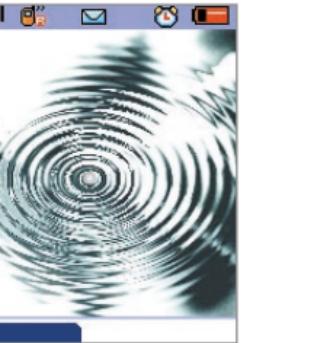
- [BACK] -> [3-4-2]

Tips & Tricks:



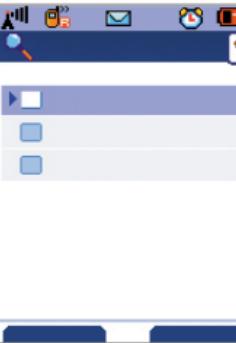
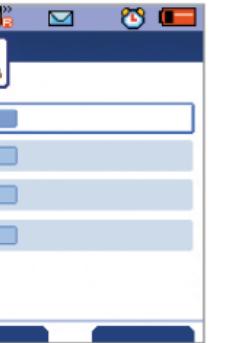
- Inputting sender's email address
 - [MENU]
- If inputted information is in correct format → [3-4-3-2]
- If inputted information has gap (blank space) or incorrect format → [3-4-2-2-1]
 - [BACK] → [3-4-3]
 - Inputted 'Sender Address' is stored in the RMS, when re-inputted preview address is displayed.
- The option of MMS is added when the message is assigned for the receiver's phone number.
- MMS option is added to the menu and the function of MMS option will not be changed. (Request by Hutchinson.)
 - [OK] → [3-4-3-1]
 - [BACK] → [3-4-3]
- Option screen to choose from send now or later.
 - [OK>Select]
- Now Sending → [3-4-4], Reserved Sending → [3-4-5]
 - [BACK] → [3-3]

Tips & Tricks:



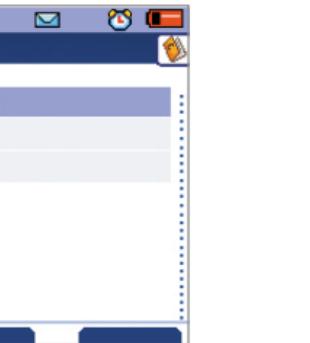
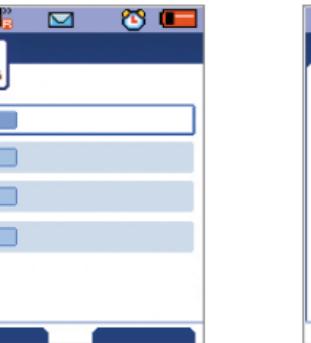
- Screen for when Mail is transmitting
 - Mail successfully sending → [3-4-4-1]
 - Mail failed in sending → [3-4-4-2]
 - [CANCEL]
- Shift after select 1.Send Mail from [2-1-2]My Album Menu → [2-1-1]
- Shift after select 1.TXT Mail from [3-4]Send New Mail → [3-4]
- Shift after select 2.From My Album from [3-4]Send New Mail → [3-4]
- Shift after select 3.New Photo from [3-4]Send New Mail → [3-4]
- Note: There is duplicates 'Shift after select 1.' but has different responds. How can that be?
 - Screen for when mail is successfully delivery.
- [DONE]
- Shift after select 1.Send Mail from [2-1-2]My Album Menu → [2-1-1]
- Shift after select 1.TXT Mail from [3-4]Send New Mail → [3-4]
- Shift after select 2.From My Album from [3-4]Send New Mail → [3-4]
- Shift after select 3.New Photo from [3-4]Send New Mail → [3-4]

Tips & Tricks:



- Setting display for Reserved Mail uses date/time stamp that is provided by MIDP
 • [SEND]
 when Reserved Time is properly set up -> [3-4-5-3] select SEND from screen
 Time range from current time + 5 min to less than 1 year. If beyond 1 year than move to -> [3-4-5-0]
 • [BACK] -> [3-4-3-1]
 <date> .[Select] -> [3-4-5-1]
 <time> .[Select] -> [3-4-5-2]
 - Alert screen for showing the time range. Time can be set from 5 minutes after current time to 1 year.
 - Date setting for Reserved Mail
 • use time display that is provided by MIDP • [SAVE] -> [3-4-5-3] • [BACK] -> [3-4-5]
 - time setting display for Reserved Mail
 • use time display that is provided by MIDP • [SAVE] -> [3-4-5-3] • [BACK] -> [3-4-5]
 - Screen for selecting Reserved Mail Date and Time
 • use date/time that is provided by MIDP • [SEND] -> [3-4-4] • [BACK] -> [3-4-3-1]

Tips & Tricks:



- Select the folder from inside My Album
 • [Select/OK] -> [4-1]
 • [BACK] -> [0]
 - Select Sync picture from inside of the selected folder.
 • [OK>Select] -> [4-1-1]
 • [BACK] -> [4]
 - View the Selected photo images and displays the image name on top end of the photo.
 • [Sync] -> [4-1-1-1] -> [4-1-2]
 • [BACK] -> [4-1]
 - provide Image navigation with key bar
 - key bar stands for Previous and key bar stands for Next

Tips & Tricks:

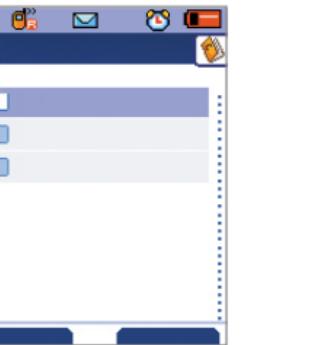
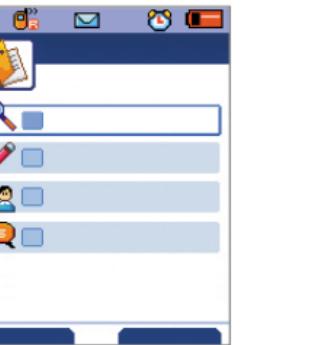


- Screen for connecting to the server and Uploading the selected Image.
Connect to server and selected image is uploaded properly -> [4-1-2]
Connect to server but selected image cannot be uploaded -> [4-1-1-2]
 - [CANCEL] -> [4-1-1]
- Connect to server but selected image upload failed
 - [DONE] -> [4-1-1]
- Result when the Image has been properly uploaded to the server after connecting to the server
 - [SERVER] -> [4-1-2-1]
 - [DONE] -> [0]

NATIVE UI

- Java is shut down and Browser is launched
- When Browser is launched, move to WAP page (URL) to confirm the user's Sync image to the server
The related WAP Page must show the Disk Status of the Photo server. Thus showing the Total disk space available and remaining disk space.

Tips & Tricks:

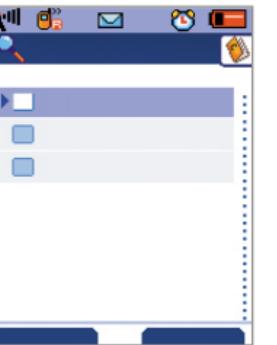


5. Mail Center

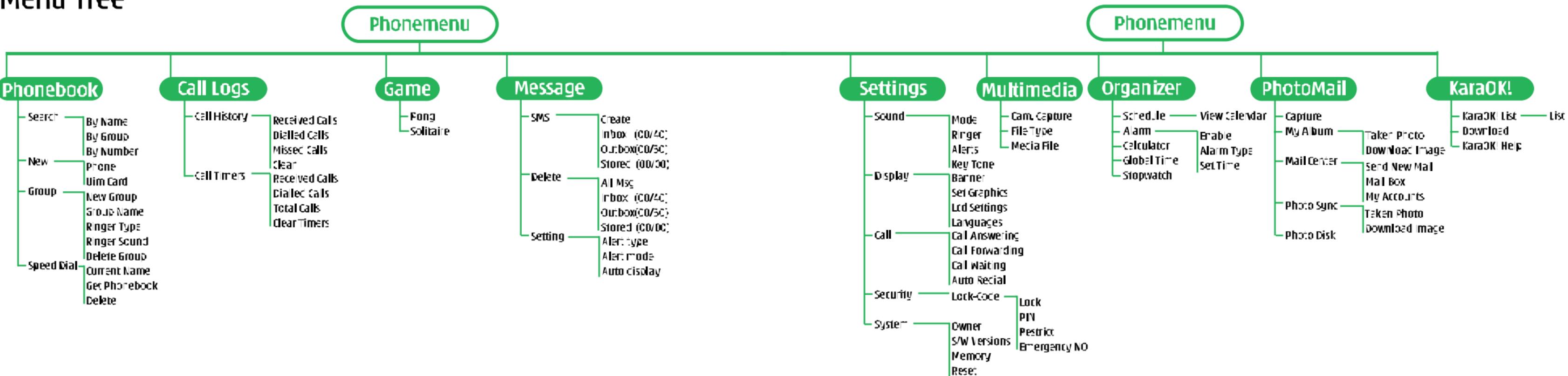
Screen display for Handset Memory Status

- Screen will display total memory size, used memory, and remain memory size
- [BACK] -> [0]13-1.Mobile Phone Information Menu

Tips & Tricks:



Menu Tree



• Mobile Phone Information Menu

Model name:	horizon
Date of Purchase :	
Place of Purchase :	
Serial number :	
Phone number :	
Password :	

RF Band	Uplink (For transmission): 824 ~ 849 MHz Downlink (For reception): 869 ~ 894 MHz
Frequency Precision:	± 300Hz from the allocated frequency.
Dimension (mm):	48X91.2X20.5 (with standard battery)
Weight (g):	91.4 (with standard battery)
Standard Output:	0.2W
Operation temperature:	-20 °C to +50 °C
Relative humidity:	5% to 95%

• Specifications

• Frequently Asked Questions about the Life of the Battery.

1. The life of the Battery is short

☞ The operation environment determines Battery life. Long calls, and weak signal strength consumes more power.

2. Battery life is short on certain day than usual.

☞ It may happen because radio environment of the base station near you could cause a drain of the battery for better signal. In this case, watch the battery life a few more days when using the phone.

3. Battery life decreases.

☞ Battery is expendable supply, and the battery life is reduced as you use the phone. When the operating time (talk-time and standby time) is shorter than half of the normal usage, it is time to replace a new battery. (Warranty for the battery is 6 months)

4. When you charge the battery, the charger lamp blinks.

☞ It may happen when the battery is not properly installed in the charger. Please ensure that there is no material between the battery and the charger, and reinstall the battery firmly in the charger.

5. My phone needs repair of short standby time. What should I do?

☞ When you visit the service center for repairing of your phone, please bring the phone, charger, and battery.

6. What should I ask to check at the service center?

☞ A mobile phone consumes a certain amount of power called power consumption. A mobile phone with high power consumption reduces capacity of the battery fast. Please be sure to ask to check the power consumption of your mobile phone at a service center.

• Before Contacting Service Center

Symptom :	1) "✗" is displayed on the screen	2) Cannot make or received calls or calls are dropped while talking	3) Audio quality of a call is poor at a certain area	4) Voice echo is heard in a certain phone and area	5) Although the signal strength indicator in the display indicates the signal strength is strong, you cannot receive calls.
Perform the following simple checks	1)-> Check that the phone is in service area. If "✗" is displayed when the phone is in service area, switch the phone off and on again, and wait about 2 minutes. If the problem lasts after that, try again in another place.	2)-> It may happen when the signal strength is unstable or weak, or there are too many mobile phone calls in that area. Try again after a while or in another place.	3)-> It may happen when the signal strength is unstable or weak. Try again in another place.	4)-> It is called "echo effect". It may happen because the earpiece volume of you or your correspondent is too loud or the property of the switching system (Semi-electronic switching system) for wired subscriber.	5)-> It is happen because the phone is registered in the corresponding base station of that area when your are moving. Try again after switching the phone off and on or trying dialing to register the phone to the base station.

• Illegal ESN Manipulation Prohibition

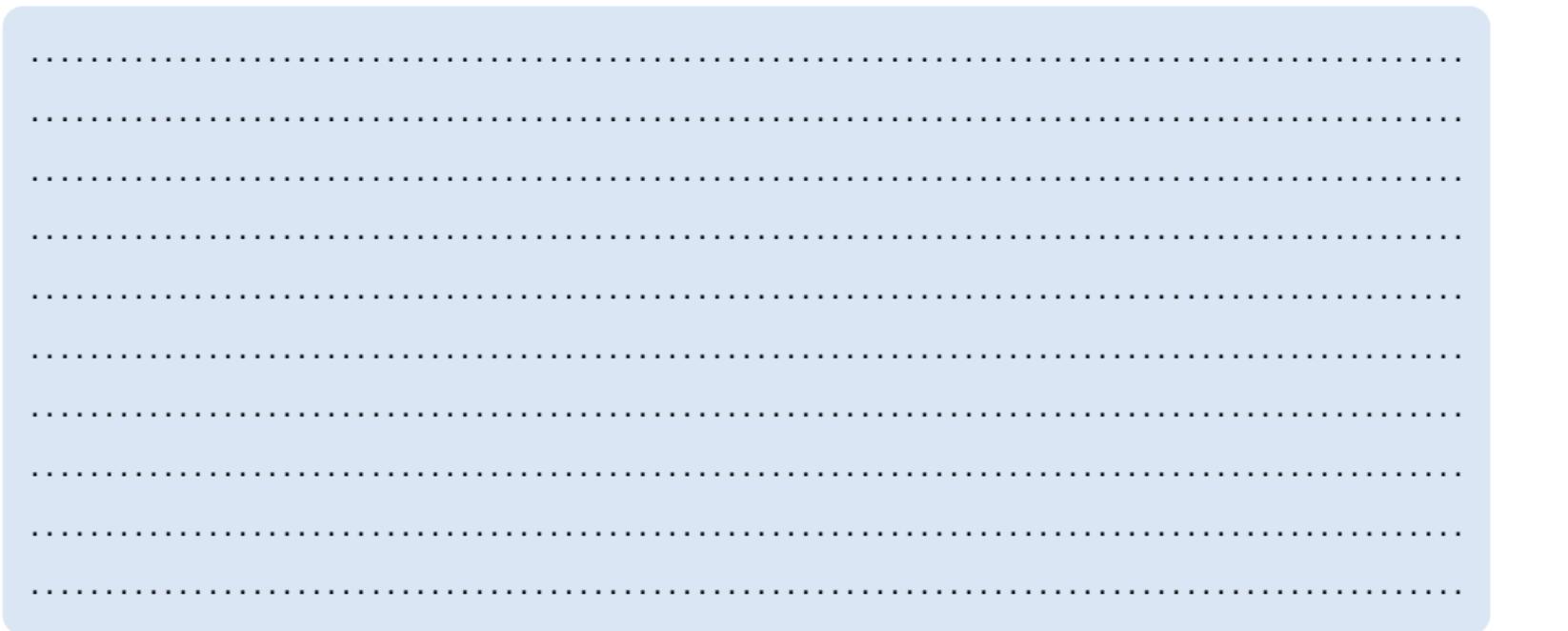
Deleting, changing and copying the ESN (Electronic Serial Number) of the phone is prohibited by law (Article 4 of the Radio Act, Article 57 of the Telecommunication Business Act, and Article 347 of the Criminal Law Act). Note that it may cause you imprisonment of less than 3 years or fine of 10 million KRW.

Moreover it may cause the damage of the software of the phone so that you cannot use the phone any more.

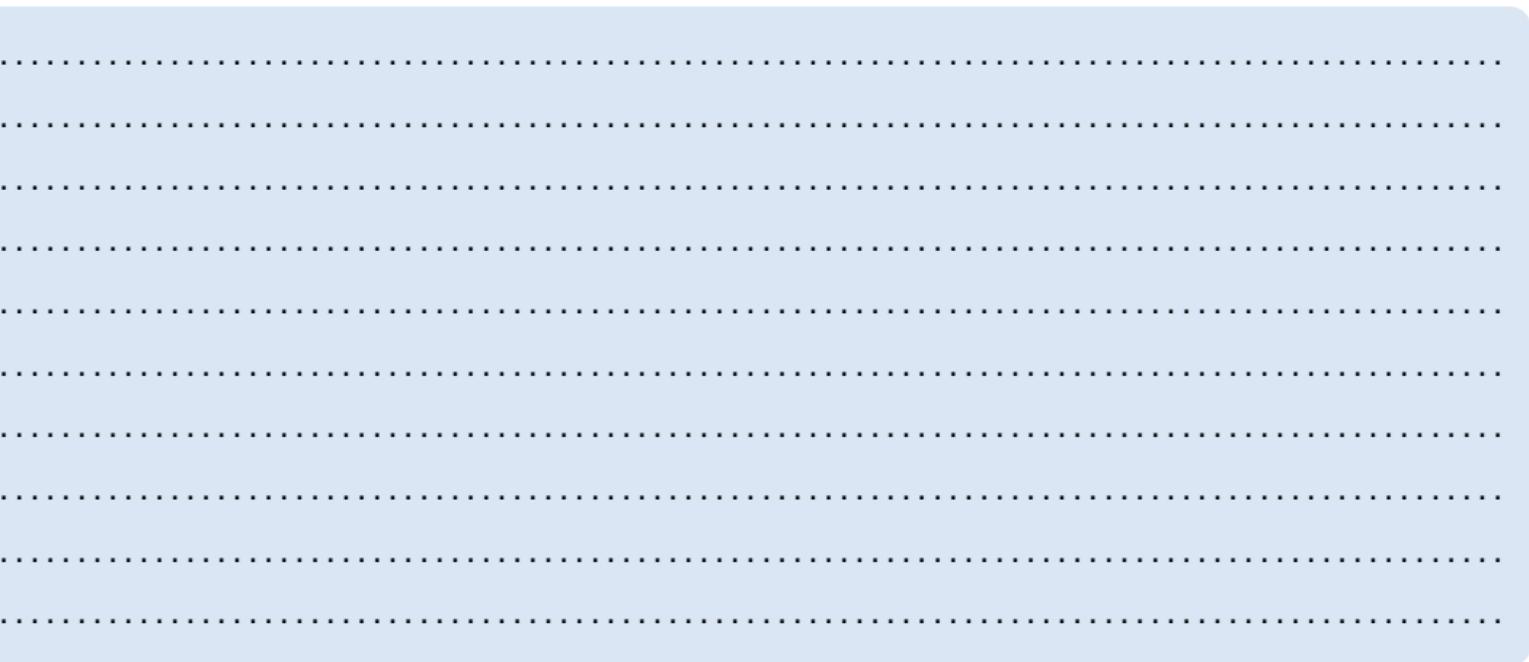
We hope that there is no such attempt as the above, and there is no suffering due to the behavior. Especially note that if such an illegal behavior is detected, the phone manufacturer will not provide any kind of warranty for the phone.

• Precautions for Customers

Do not lend other person your phone. Contact authorized service center for after-sales service. Contact your service provider immediately when you have lost or your phone has been stolen. Use only authorized antenna, charger, hands-free kit, battery, data communication kit, and case. By using any unauthorized part may degrade the communication performance or cause trouble or damage to your phone.

MEMO

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