

Welcome!!

Thank you for choosing **S510** mobile phone! Please read this manual carefully before you use your mobile phone.
For efficient use of your mobile phone,
we recommend you to read the Safety and General
Information chapter in advance.

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Safety and General Information

Please read these simple guidelines and safety instructions carefully before using the phone.

[Driving]

Please do not use a phone while driving. If you want to use your phone, please use a hands-free kit or please park the car first.

[Hospital]

Please turn off the phone when you are in hospital. Mobile phones can cause possible interference to medical devices such as hearing aids or pacemaker.

[Aircraft]

Please turn off the phone when you are in an aircraft. It is prohibited to use phone in the aircraft.

[Blasting Area]

Please turn off the phone when you are near a blasting area.

[Battery and accessory]

Use only approved battery and accessories.

[When refueling]

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

Safety and General Information

[Disassembly]

Do not disassemble your phone or any of its accessories. Only certified service center can disassemble and repair your phone.

[Children]

Keep the all accessories or batteries out of the reach from babies or pets. If eaten , please see the doctor.
If children uses, please tell a children the handling and how to use the phone and please check the way of using correctly. The breakdown is caused by shock or wrong way, also may give damage to user.

[Battery]

Do not shock to battery extremely.
It is very dangerous to disassemble a battery or to give a strong shock to the battery with the nail or the hammer.

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

Package contents

About Your Phone

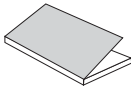
Package contents



Transceiver



Battery



User Manual



Charger

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

Phone overview



Key Definition

	[Send Key] Make a call
	[End Key] End a call. Switches On/Off the phone when pressing for a while
	[Soft key(Left)] In Menu mode: Perform various functions according to the viewing menu In Idle mode: Connect to Main menu.
	[Soft key(Right)] In Menu mode: Perform various functions according to the viewing menu In Idle mode: Connect to Message (SMS,MMS)
	[Side key] During a call: Adjust earpiece volume In Menu mode: Scroll through the menu In Idle mode: Adjust key tone volume
	[Center Key] In Menu mode: Select Menu In Idle mode: Connect to WAP directly

	[Navigation-icon key(up)] In Menu mode: Scroll the menu up In Idle mode: Access to Call feature directly
	[Navigation-icon key(Down)] In Menu mode: Scroll down the menu In Idle mode: Access to Alarm directly
	[Navigation-icon key(Left)] Edit mode: Move the cursor left In Menu mode: Scroll the menu left Idle mode: Access to Calendar directly
	[Navigation-icon key-Right] Edit mode: Move the cursor right In Menu mode: Scroll the menu Right Idle mode: Access to Phone Book directly
	[Numeric key] Input 0~9 number in idle mode
	[*] Enter pause 'P' when pressing and holding for a while
	[#] Set Phone mode on/off (Press and hold)

Status icon	
	[Signal Strength Indicator] Display the strength of signal received by the phone
	[In Use] Appear when a call is progressing
	[No Use] Appear when the network signal is not received
	[Bell] Appear in sub-LCD when bell is selected.
	[Call Forward] Appear when a call is forwarded
	[Vibrator] Appear when vibration function is selected
	[Vibrator then bell] Appear when vibration followed with bell is selected

	[Message] Appear when text message is received
	[Alarm] Appear when alarm is set to on
	[Roam] Appear when phone is outside of user's home system
	[Data/WAP] Appear when phone is connected to WAP or Data
	[GPRS] Appear when GPRS is enabled
	[Battery meter] Indicate battery charged level

About Your Phone

Installing and Removing SIM card

SIM (Subscriber Identity Module) is a "Smart Card" that holds user phone number, service details, and memory for Phone Book numbers and messages. You can use your SIM in any GSM phone and will be charged for the calls.

1. Installing SIM card

1. Power off the phone first.
2. Pull out the battery.
3. Insert the SIM card.
4. Slide the latch over the SIM card to lock it in place.



2. Removing SIM card

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



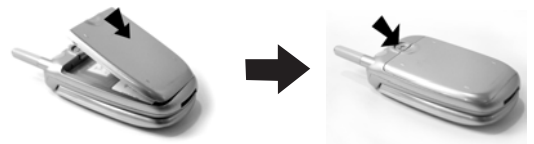
- * Protect your SIM card from scratches, water, dirt and static electricity.
- * Careful! If you disregard the matters which above mentioned, it could be erase information which stored on the your SIM card.

About Your Phone

Installing and Removing battery

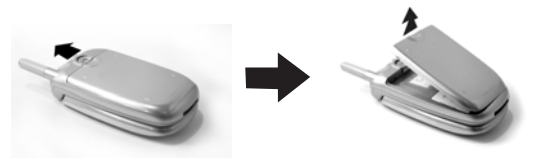
1. Installing the battery

Insert the battery into the battery compartment at a slant angle and press the top of the battery until the battery locks in the place.



2. Removing the battery

Slide up the battery latch and then pull out the battery from the phone.



Basic Function

Power on/off

1. Power on

Press [END] key for a while.

- * If PIN is activated, please enter 'PIN code'.
If 'Lock' is activated, please enter password.
Initial password is set to '0000'
If security of SIM card is enabled, the phone requests the PIN code every time when the phone is turned on.

2. Power off

Press and hold [END].

☎ Making a emergency call

Your phone supports the international emergency number. This means that these numbers can normally be used to make an emergency call in any country with or without a SIM card inserted. if a GSM network is within range.

(Some network operators may require that a SIM card is inserted, and in some cases that the PIN has been entered as well)

To make an emergency call, proceed as follows.

- (1) If the phone is not on, switch it on.
- (2) Press [SOS] or dial emergency number.
(Then your phone making an emergency call)

Basic Function

About PIN/PUK

1. PIN (Personal Identification Number)

It is a personal code (4 to 8 digits) provided by your network operator in order to prevent other people from using your SIM card.

It is usually supplied with the SIM card. The PIN is usually requested each time when the phone is switched on.

If you enter an incorrect PIN three times consecutively, the SIM card is blocked and cannot be used until you unblock it by entering the PUK.

2. PIN2

It is a code composed of 4 to 8 digits and is supplied with some SIM cards to access specific function such as setting the charge detail display and access other additional functions.

If you enter an incorrect PIN2 three times consecutively, the SIM card is blocked and you cannot access the functions until you unblock it by entering the PUK2.

3. PUK (PIN Unlocking Key)

It is composed of 8 digits and used to unblock a SIM card.

The PUK may be supplied with the SIM card.

If you forget the code, please contact your service provider.

If you enter an incorrect PUK ten times consecutively, the SIM card becomes invalid.

Please contact your service provider for a new card.

4. PUK2

It is composed of 8 digits and is supplied with some SIM cards to unlock PIN2.

If you forget the code, please contact your service provider. If you enter an incorrect PUK2 ten times consecutively, you will not be able to access the additional functions provided by PIN2. Please contact your service provider for a new card.

5. Change PIN or PIN2 code

You can change the PIN or PIN2 code to any 4 to 8 digits number.

6. Set PIN Check

This feature asks for the PIN code whenever the phone is powered on.

Note: If you enter the wrong PIN code three times consecutively, the SIM card is automatically blocked.

7. PUK/PUK2 Code

The PUK and PUK2 codes are 8-digit codes that usually provided by your service provider along with the SIM card. Their purpose is to unlock SIM cards after wrong PIN has been entered repeatedly.

Making a call**1. Using digit keys**

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

2. Using turbo dial

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

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

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

* It is possible to use Turbo dial numbers stored in your SIM card. You can switch Turbo dial settings between Phone entry and SIM entry.

Please see details for Turbo set in phone book.

3. Using phone book entry

Search for a number in the phone book, then press [SEND] to make a call.

* Use redialing : If the connection of the call fails, your phone the phone makes up to redial a phone number after an unsuccessful call.
(If you have set the Auto Redial menu to 'On')

Basic Function

Receiving a call

When you receive a call, the phone rings or vibrates and displays an incoming call notice.

When the flip is closed, received call after opening the flip. (if [Flip Open] is selected)

When the flip is opened and the phone rings, press any key to answer. (if [AnykeyAnswer] is selected)

- * Except [END]key
- * You cannot receive calls when PIN is locked.
- * Please enter your PIN number to unlock your phone, before receiving your phone.

Missed a call

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

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

Basic Function

In call menu

You can access different menus during a call. Press [Menu] (left softkey) during a call to connect some of the In-call menu. Menu selection depends on the state of the call, the type and setting of your SIM card and subscription to these services.

I. Phone book

This option displays the Phonebook menu.

1. Press [Menu], then move to "Phone Book".
2. Press [OK].
3. Scroll to the desired item and press [OK].
All the phonebook functions are displayed.
(see "Phone Book" on Main Menu)

II. Message

This option displays the Message menu.

1. Press [Menu], then move to "Message".
2. Press [OK].
3. Select the desired item and press [OK].

III. Mute On/Off

You can mute any active call. Muting means that you can hear the other person's voice but he/she cannot hear your voice.

During a call, press [Menu], then scroll to 'Mute on'. Press [OK]. 'Mute' icon appears on screen.

To unmute the call, press 'Mute Off' and press [OK]. 'Mute' icon disappears.

IV. Hold

You can put a current call on hold and accept an incoming call, or start a second call.

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

* During a call, press [right soft key], then popup menu appears. It shows "End on call / End held call / End all" options. You can select the following items:

- └ End on call : End a call you put on hold.
- └ End held call : End the current active call.
- └ End all : End all connected calls.

If supported by service provider, more people can take part in a call.

1. When there is an incoming call, press [SEND] to enter into Answer mode.(select "Reject" to reject the incoming call)
2. Press [Menu], it has 'Drop & Answer / Hold & Answer/ Reject' menus.
Select 'Hold & Answer', the screen will display both 'In call' and 'Held call'.
3. Press [Menu], then Select "Join".
4. The phone displays active call indicator with the new active call.

V. Hold & Switch

Switches between the active call and the held call.

1. When there is an incoming call, press [SEND] to enter into Answer mode.
(If you selects 'Reject', the call will be rejected and the phone will return to Idle mode.)
2. Press [Menu] to display 'Drop & Answer / Hold & Answer / Reject' menus.
Select 'Hold & Answer', then the screen displays both 'Active call' and 'Held call'.
3. Press "Switch" to switch between the active call and the held call.

* Reject Waiting Call

- You can reject an incoming call by pressing "Reject".
- During a call, press "Reject" to display the pop-up menu.
 - Move to the desired item and press [OK].

VI. Split

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

1. During a conference call, select "Menu".
2. Press "Navigation key" to move to the desired call, then press [OK].

* To end a connected or held call etc.. press right softkey to select 'End a call' option.
For ending a call, press [Menu] to select the desired item, then press [OK].

* It has "End on call / End held call / End all call" options.

Basic Function

Sub LCD

When there is a new message or an incoming call, you can see caller number on sub LCD.
When the flip is closed, press the side key to turn the sub lcd light on.



Side keys function

Controls the bell volume when an incoming call.
Controls the earpiece volume during a phone call.

[Upper side key]

If you press and hold the key repeatedly, you can select the clock shape of analog or digital

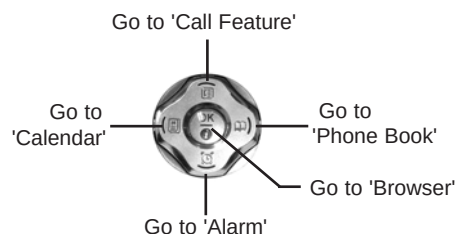
[Lower side key]

If you press and hold the key repeatedly, you can enjoy the simple game.

Basic Function

Quick access in idle mode

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



Storing number

You can store phone numbers in your phone or SIM card.
It is possible to store up to 300 phone number entries in your phone book.

* The total number of entries in your SIM card are dependent on your SIM card capability.

1. Enter a number in idle mode
2. Press [STO]
3. Select [SIM] or [Phone]
4. Press [OK]
5. Enter content and then press [STO]

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

Selecting main menu item

Press [Main].
You may select the following 9 menus with navigation keys:

1. PhoneBook	2. Bell	3. Setting
4. e-Diary	5. Browser	6. Entertainment
7. Display	8. Network	9. STK

You may also select the desired menu by pressing the corresponding number of the desired menu.

Once you select the menu, then press [OK]key.

Phone Book

Phone book

You can store phone numbers and names in the memory of your SIM card or your phone.
You can store up to 300 numbers in your phone.
SIM card memory size depends on your SIM card capability.

I. Access to phone book

- 1. By scrolling
 - (1) Press [Main].
 - (2) Scroll to [1.Phone Book] using navigation key, then press [OK]. (Or press digit 1)
- 2. By shortcut
 - Press the [Right navigation key] in idle mode.

II. Storing number

- 1. Through the Phone book menu(New Entry)
 - (1) Press [Main].
 - (2) Scroll to [1.Phone Book] using navigation key, then press [OK]. (Or press digit 1)
 - (3) Enter the [1.Phone Book] using upper/lower navigation key, then press [OK]. (Or press digit 1)
 - (4) Press [Menu], then select [2.New Entry] .
 - (5) Please select your memory place either SIM or Phone.
 - (6) Enter contents and then press [STO].

Main Menu

2. Through the idle mode
 - (1) Enter a number in idle mode.
 - (2) Press [STO].
 - (3) Please select your memory place either SIM or Phone.
 - (4) Enter contents and then press [STO].

* Phone book edit details

1. Name: Enter the name
2. Number: Enter the phone number. Then select the group (Home/Cellular/Office/Other).
 - * User can only select the group for phone book entry if user chooses to store entry in Phone memory.
3. Location: Enter the location
4. Icon
 - When an incoming call, your phone can show the picture or animation in EMS which appears on the display.
5. Melody
 - When an incoming call, your phone is available to set of the melodies in EMS for the ring tone

* About Phone book [Menu]

(The 'left soft key' menu includes the following options)

- 1) Send a MSG. : Move to "New Message" part
- 2) New Entry: Add new entry
- 3) Find record :Allow you to find the entry or the record
- 4) Delete: Delete the selected item
- 5) Delete all: Delete all entry which is displayed in the selected group
- 6) Copy all data : Allow you to copy the all the data to another location. (SIM card or Phone)

Main Menu

- 7) Copy to phone : To copy the message from the SIM to the phone's memory or contrariwise. Copy to phone is available only if th entry is stored in SIM. If the entry is stored in phone, then only copy to SIM is available.

Memory status

You can check the status of SIM card and phone book memory. If memory full appears, you cannot save any more numbers until you have deleted an item.

1. Press [Main].
2. Scroll to [1.Phone Book] using navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [2.Memory Status] using upper/lower navigation key, then press [OK]. (Or press digit 2)

My number

Phone numbers saved in your SIM card are kept in My Number if it is allowed by your SIM card. Scroll to the desired line, then press [Select].

1. Press [Main].
2. Scroll to [1.Phone Book] using navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [3. My number] using upper/lower navigation key, then press [OK]. (Or press digit 3)
4. To store your phone number with a name, scroll to desire line, then press [OK].

Call feature

You can check the record of missed, answered and dialed calls only if the network supports CLI(Calling Line Identification) within the service area. Also you can access the this menu by pressing the [upper navigation]key.

1. Press [Main].
2. Scroll to [1.Phone book] using navigation key, then press [OK]. (Or press digit 1)
3. Scroll to [4. Call Feature] using upper/lower navigation key, then press [OK]. (Or press digit 4)
4. Scroll to desire menu, then press [OK].

1. Dialed call

This menu lets you view the last 30 dialed call numbers
In the Idle mode, press [SEND]key then dialed call list will appears. Time and date when the call was answered are displayed with the name and number.

2. Answered call

This menu lets you view the last 30 answered call numbers.
Time and date when the call was answered are displayed with the name and number.

3. Missed call

This menu lets you view the last 30 missed call numbers.
Time and date when the call was answered are displayed with the name and number.

* You may also choose the following options when 'Menu' (Left softkey) is pressed in the call list menu.

- (1)Store: It stores the selected number.
- (2) Delete: It deletes the selected item after confirmation.
- (3)Delete all: It deletes the entire Dialed call list after confirmation.

4. Call timer

It displays the total call time starting from using the phone and the last call time.

- Total Call Time : It shows the cumulative call time.
- Last Call Time : It shows the duration of last incoming call or outgoing call in hours, minutes and seconds.

* Pressing "Reset" will reset all the call timers.

Bell

Ring tone

You can change the ringer tone when a call is received. If you press [Left/Right] navigation key, can move the ring tone group(Classic/Jazz, Fun/Others, Nature, Bell). When ringer tone is scrolled, the ring tone is played.

1. Press [Main].
2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
3. Scroll to [1. Ring Tone] using upper/lower navigation key, then press [OK]. (Or press digit 1)
4. Scroll to desire item, then press [OK].

Key tone

It enables you to change the key tone when pressing keys on the keypad. You can select "DTMF tone, Drums, Water or Off" as the key tone.

1. Press [Main].
 2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
 3. Scroll to [2. Key Tone] using upper/lower navigation key, then press [OK]. (Or press digit 2)
 4. Scroll to desire item, then press [OK].
- * The battery consumption will be increased if Drums or Water is selected.
 - * "Off" means no key tone.

Message tone

You can select different alert tones for incoming messages. If you press [Left/Right] navigation key, can move the ring tone group(Classic/Jazz, Fun/Others, Nature, Bell).

1. Press [Main].
2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
3. Scroll to [3. Message Tone] using upper/lower navigation key, then press [OK]. (Or press digit 3)
4. Scroll to desire item, then press [OK].

Adjust vol.

This feature enables you to adjust the volume from one to five levels using upper/lower navigation key.

1. Press [Main].
2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
3. Scroll to [4. Adjust Vol.] using upper/lower navigation key, then press [OK]. (Or press digit 4)
4. Scroll to desire item, then press [OK].

If you press [Left/Right] navigation key, can adjust "Keypad Vol., Earpiece Vol. or Bell Vol."

Main Menu

Ringer type

This feature enables you to change the ringer type when a call or message is received.

- 1. Press [Main].
- 2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
- 3. Scroll to [5. Ringer Type] using upper/lower navigation key, then press [OK]. (Or press digit 5)
- 4. Scroll to desire item, then press [OK].

When call or message is coming	
Bell	Bell rings
Vibrator	Vibrator operates
Vib then Bell	Vibrator operates then bell rings
Vib and Bell	Vibrator and bell operates at the same time
Lamp	Ring tone increases in steps.

Alert tone

Your can set various alert tones.

- 1. Press [Main].
- 2. Scroll to [2.Bell] using navigation key, then press [OK].
(Or press digit 2)
- 3. Scroll to [6. Alert Tone] using upper/lower navigation key, then press [OK]. (Or press digit 6)
- 4. Scroll to desire item, then press [OK].

Main Menu

Alert Tone	Type Description
Connection	Alert tone rings when a call is connected
Out of SVC	Alert tone rings when the phone is out of range
1 min Alert	Alert tone rings before 10 seconds when call time reaches 1 minute

Setting

Security

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

1. Press [Main].
2. Scroll to [3.Setting] using navigation key, then press [OK]. (or press digit 3)
3. Scroll to [1.Security] using upper/lower navigation key, then press [OK]. (or press digit 1)
4. Scroll to the desired item, then press [OK].

1. Phone Lock

This feature enables you to prevent an unauthorized person from using your phone. When the phone is in lock status, you have to enter the 4-digit phone password. The password is set to '0000' by default. To change the phone password, refer to the 'Change PWD' menu option.

(1) Lock Now

After entering the correct security code, the phone will lock after going into the idle state.
If you want to disable this phone lock, you should enter the right security code. If you power off in the phone lock state, when the phone is next powered on, the phone is the lock state.

(2) Auto Lock

- Enable : You are required to enter the phone password even you using same SIM card, while you switch the power on.
- Disable : You do not need to enter the phone password when you switch the power on.

*If SIM changed, your phone will request security code only when you change your SIM card.

2. SIM PIN

(1) PIN Check

When this feature is enabled, you have to enter your PIN each time when you power on the phone. Any person who does not have your PIN cannot use your SIM card without approval.

- Enable : You have to enter the PIN each time when you power on the phone.
- Disable : The phone connects directly to the network when you power on the phone.

(2) Change PIN

This feature enables you to change the current PIN to a new one, provided that the PIN Check feature is enabled. To change PIN, PIN should be enable on "PIN check" . You have to enter the current PIN before entering a new one. You can change your PIN 1 (4~8 digits) codes.

Main Menu

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

(3) Change PIN 2

This feature enables you to change current PIN 2 to a new one. You have to enter the current PIN 2 before entering a new one. Once you have entered a new PIN 2, you are asked to confirm it by entering it again.

- * If you enter the code incorrectly, 'Invalid code' appears. If you enter wrong code three times consecutively, the PIN code is blocked. To unblock the PIN code, you should enter the 'PUK' code.

3. Master Reset

This feature resets all the phone settings to factory default values.

- * If you enter the password incorrectly, 'Invalid code' will appear. You should try to enter the correct one again. If correct password is entered, phone settings will be set to factory default and the phone will be restarted.

4. Master Clear

This feature formats the file system and deletes all the saved data such as phone book entries, call history list, etc.

- * If you enter the password incorrectly, 'Invalid password. Try again' will appear. You should try again to enter the correct one. If the correct password is entered, the phone will display 'Waiting...' message and the master clear operation is in progress. After the master clear operation has finished, the phone will be restarted.

Main Menu

5. Change PWD(Change password)

This feature enables you to change the current phone password to be a new one. You have to enter the current password before entering a new one.

- * The default password is set to "0000"

6. FDN Mode (Fixed Dial Number mode) (SIM dependent)

You can restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM card. You can set the following submenu by PIN2 code. The PIN2 code is required.

- Enable : You can restrict your outgoing calls to selected phone number.
- Disable : You can call without restricting phone number.

Language

You can select a display language. When you select [Automatic] the language is automatically selected according to language of SIM card used

1. Press [Main].
2. Scroll to [3.Setting] using navigation key, then press [OK]. (or press digit 3)
3. Scroll to [2.Language] using upper/lower navigation key, then press [OK]. (or press digit 2)
4. Scroll to the desired item, then press [OK].

Main Menu

Answer option

You can change the way of answering a call.

1. Press [Main].
 2. Scroll to [3.Setting] using navigation key, then press [OK].
(or press digit 3)
 3. Scroll to [3.Answer Option] using upper/lower navigation key, then press [OK]. (or press digit 3)
 4. Scroll to the desired item, then press [OK].
-
1. Dynamic : You can answer incoming calls by selecting menu.
Answer / Reject Call / Meeting mode
 2. Flip Open : Answer the incoming call by opening the flip.
If the flip has already opened, press [SEND] to answer the call.
 3. Anykey Answer : Answer the incoming call by pressing any key, except [END] and the [Right soft] key.
 4. Send Key : Only answer the incoming call by pressing [SEND]

Auto redial

If you fail to connect a call, the phone will attempt to connect it again.

1. Press [Main].
2. Scroll to [3.Setting] using navigation key, then press [OK].
(or press digit 3)
3. Scroll to [4.Auto Redial] using upper/lower navigation key, then press [OK]. (or press digit 4)
4. Scroll to the desired item, then press [OK].

Main Menu

Time and date

This feature allows you to change the time and date displayed.

1. Press [Main].
2. Scroll to [3.Setting] using navigation key, then press [OK].
(or press digit 3)
3. Scroll to [5.Time and Date] using upper/lower navigation key, then press [OK]. (or press digit 5)
4. Scroll to the desired item, then press [OK].

1. Show Clock

This feature allows you to can select the displayed clock on the screen.

2. Set Time

This feature allows you to enter the current time.

3. Set Date

This feature allows you to enter the date(Year, Month, Day).

DATA mode

This feature enables to the data communication to you.

If you want to data communication, it must set to [enable].

1. Press [Main].
2. Scroll to [3.Setting] using navigation key, then press [OK].
(or press digit 3)
3. Scroll to [6.DATA mode] using upper/lower navigation key, then press [OK]. (or press digit 6)

e-Diary

Schedule

When you enter this menu, a calendar appears. A square cursor is located on the current date, you can move to another date using navigation key. If there is a stored schedule, it shows a square outline.

- 1. Press [Main]
- 2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
- 3. Scroll to [1.Schedule] using upper/lower navigation key, then press [OK]. (or press digit 1)
- 4. Select the date, then press [OK].

* Entering Schedule

- 1) Enter the schedule
To edit the text for schedule, press[Edit], and to save the schedule, press[STO]. To add the new entry on the same day, press[Add] of menu. You can enter 32 characters.
- 2) Enter alarm
If you want to set an alarm for the schedule, enter an alarm time here.
- 3) Reminder time
Select 'Off, On Time, Before 1H(1hour), Before 1D(Day)' using the left/right navigation key.
- 4) Bell
If you want to change the alert ring tone, press [Chng] and select your desired ring tone.

* About 'Menu' on the schedule list

- ┌ Add: It enables to enter a new schedule.
- └ Delete: It deletes the selected schedule after confirmation.
- Delete all : It deletes all schedule after confirmation.

Calendar

Your phone provide a calendar.

- 1. Press [Main]
- 2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
- 3. Scroll to [2.Calendar] using upper/lower navigation key, then press [OK]. (or press digit 2)
- 4. Select the date, then press [OK].

* Quick access to calendar

Press the [Left side of navigation key] in Idle mode, then a calendar appears.

Main Menu

Anniversary

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

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [3.Anniversary] using upper/lower navigation key, then press [OK]. (or press digit 3)
4. Enter the contents, then press [STO].
If the data exists on a selected date, it will appear in the stored anniversary list. If the data does not exist, it will enter into anniversary input mode. If you try to add an Anniversary on the same day, press [Menu] and then select 'Add'.

* Details of 'Anniversary'

- 1) Name: Enter the name
- 2) Date: Select lunar or solar, enter the anniversary date.
- 3) Time: Enter the reminder time
- 4) MD(Memorial Day) : Select 'Anniversary, Birthday or Engagement'.
- 5) Event: Select 'On Time, Before 1D(Day), Before 2D(day) or Off'.
- 6) Bell: Change the alert ring tone, press [Chng].

* About anniversary 'Menu'

- └ Add: It enables you to enter a new anniversary.
- └ Delete: It deletes the selected anniversary after confirmation
- └ Delete all: It deletes all the anniversaries after confirmation.

Main Menu

Calculator

You can perform simple calculation such as addition, subtraction, multiplication and division.

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [4.Calculator] using upper/lower navigation key, then press [OK]. (or press digit 4)

World time

This feature allows you to check the current time in major cities around the world. Scroll through the cities using the Left/Right navigation key. The city name is displayed as title area.

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [5.World Time] using upper/lower navigation key, then press [OK]. (or press digit 5)

- └ Manual : Allows you to change the current time in GMT and 22 major cities around the world.
- └ Automatic : The current time be changed by SIM card.

Main Menu

Alarm

The alarm will ring at the time set by you.

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [6.Alarm] using upper/lower navigation key, then press [OK]. (or press digit 6)

* Entering alarm

- (1) Set : Select 'Off or On '
- (2) Input alarm time
- (3) Select a period : Select 'Mon~Sat, One Time, Everyday or Weekday '
- (4) Set alarm bell: If you want to change the alarm bell, press [Chng].

Memo

You can store a short memo.

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [7.Memo] using upper/lower navigation key, then press [OK]. (or press digit 7)
4. Enter memo, then press [OK].
You can enter up to 80 English characters.

* About 'Menu' of Memo

- └ Add: It enables you to enter a new memo.
- └ Delete: It deletes the selected memo after confirmation.
- └ Delete all: It deletes all the memos after confirmation.

Main Menu

Stopwatch

The stopwatch can be used to measure times.

The precision of the stopwatch is one hundredth of a second.
Up to eight stopwatches can be used.

1. Press [Main]
2. Scroll to [4.e-Diary] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to [8.Stopwatch] using upper/lower navigation key, then press [OK]. (or press digit 8)

(1) Split Timing :

The watch will continue running when press stop.

(2) Lap Timing :

The watch is started again when press stop.

- To start the stopwatches, press the [OK]key.
- When you wish to stop the first stopwatch, press the [OK]key.
- Repeat this step for the other stopwatches.

Browser

Home

When you select this, the phone connects to a homepage which is defined of the Wireless Web service provider .

1. Press [Main]
2. Scroll to [5.Browser] using navigation key, then press [OK]. (or press digit 5)
3. Scroll to [1.Home] using upper/lower navigation key, then press [OK]. (or press digit 1)

Goto

This menu option allows you to manually enter the URL address of the Web site

1. Press [Main]
2. Scroll to [5.Browser] using navigation key, then press [OK]. (or press digit 5)
3. Scroll to [2.Goto] using upper/lower navigation key, then press [OK]. (or press digit 2)

Bookmarks

This menu option allows you to store the URL addresses of your favorite Web sites.

1. Press [Main]
2. Scroll to [5.Browser] using navigation key, then press [OK]. (or press digit 5)
3. Scroll to [3.Bookmarks] using upper/lower navigation key, then press [OK]. (or press digit 3)

Select profile

You can select profile type.

1. Press [Main]
2. Scroll to [5.Browser] using navigation key, then press [OK]. (or press digit 5)
3. Scroll to [4.Select profile] using upper/lower navigation key, then press [OK]. (or press digit 4)

Profiles

- 1. Press [Main]
- 2. Scroll to [5.Browser] using navigation key, then press [OK]. (or press digit 5)
- 3. Scroll to [4.Select profile] using upper/lower navigation key, then press [OK]. (or press digit 4)
 - Profile Name : Enter the name of the server.
 - Profile URL : You can change the address of your startup homepage.
 - Bearer Type : You can select the bearer to be used for each type of network accesses. (GSM-CSD or GSM-GPRS)
 - Inact Timer : You can select the inact time
 - Gateway : Enter the IP Address.
 - APN : Enter the access point name used for the address of the GPRS network gateway.
 - Dial Number :
 - User ID : Enter the user ID required to connect to the network.
 - Password : Enter the password required to connect to the network.

Entertainment

Games

You can enjoy two games with your phone.

1. Cargador

- 1. Press [Main].
- 2. Scroll to [6.Entertainment] using navigation key, then press[OK]. (or press digit 6)
- 3. Scroll to [1.Games] using upper/lower navigation key, then press [OK].(or press digit 1)
- 4. Scroll to [1.Cargador] using upper/lower navigation key, then press [OK].(or press digit 1)
 - Continue : It continues the last game that you executed before.
 - Jump to level: Enter the level that you like to play, then press [OK]. A total of 80 steps is provided.
 - Help: It shows the key map and the simple game guide.

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

2. Gophers

1. Press [Main].
2. Scroll to [6.Entertainment] using navigation key, then press[OK]. (or press digit 6)
3. Scroll to [1.Games] using upper/lower navigation key, then press [OK].(or press digit 1)
4. Scroll to [2.Gophers] using upper/lower navigation key, then press [OK].(or press digit 2)
 - Start a game : It starts the game.
 - Help : It shows the key map and the simple game guide.
 - Highscore : It shows the highscore list until recently

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

Folder**1. Picture**

In picture list, user can press [Menu] which has the options : Display/ Rename/ Send a Msg/ Wallpaper/ Delete/ Delete all

1. Press [Main].
2. Scroll to [6.Entertainment] using navigation key, then press[OK]. (or press digit 6)
3. Scroll to [2.Folder] using upper/lower navigation key, then press [OK].(or press digit 2)
4. Scroll to [1.Picture] using upper/lower navigation key, then press [OK].(or press digit 1)

*** Menu of Picture**

- (1) Display : Shows the picture on the full screen.
- (2) Rename : Renames the title of picture.

- (3) Send a Msg : Allows you to add a picture to the message
- (4) Wallpaper : Changes the background image to be displayed in Idle Mode.
- (5) Delete : Deletes the selected picture.
- (6) Delete all : Deletes all the pictures.

2. Melody

In melodies list, you can press [Menu] which has the options: Add/ Play/ Rename/ Send a Msg/ Set ringtone/ Delete/ Delete all.

1. Press [Main].
2. Scroll to [6.Entertainment] using navigation key, then press[OK]. (or press digit 6)
3. Scroll to [2.Folder] using upper/lower navigation key, then press [OK].(or press digit 2)
4. Scroll to [2.Melody] using upper/lower navigation key, then press [OK].(or press digit 2)

*** Menu of Melody**

- (1) Add
- (2) Play : Plays the selected melody
- (3) Rename : Renames the title of picture.
- (4) Send a Msg : Allows you to add a melody to the message
- (5) Set ringtone : Changes the selected melody to ringtone
- (6) Delete : Deletes the selected picture.
- (7) Delete all : Deletes all the pictures.

Display

Wallpaper

You can change the wall paper graphics using navigation key to scroll the images.

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK]. (or press digit 7)
3. Scroll to [1.Wallpaper] using upper/lower navigation key, then press [OK]. (or press digit 1)
4. Scroll to desire item, then press [OK]

Color scheme

You can change the color setting of the display components (Title bar, Scroll bar). Your phone available color scheme is blue, pink and violet.

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK]. (or press digit 7)
3. Scroll to [2.Color scheme] using upper/lower navigation key, then press [OK]. (or press digit 2)
4. Scroll to desire item, then press [OK]

LCD contrast

You can adjust the contrast of the LCD screens to make them lighter or darker.

1. Main LCD

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK]. (or press digit 7)
3. Scroll to [3.LCD contrast] using upper/lower navigation key, then press [OK]. (or press digit 3)
3. Scroll to [1.Main LCD] using upper/lower navigation key, then press [OK]. (or press digit 1)
4. Adjust the contrast by pressing left/right navigation key, then press [OK]

2. Sub LCD

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK]. (or press digit 7)
3. Scroll to [3.LCD Contrast] using upper/lower navigation key, then press [OK]. (or press digit 3)
3. Scroll to [2.Sub LCD] using upper/lower navigation key, then press [OK]. (or press digit 2)
4. Adjust the contrast by pressing left/right navigation key, then press [OK]

Backlight

You can select the time which uses the backlight.

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK].
(or press digit 7)
3. Scroll to [4.Backlight] using upper/lower navigation key,
then press [OK]. (or press digit 4)
4. Scroll to desire item, then press [OK]

Idle banner

You can edit the idle banner in standby mode.

1. Press [Main].
2. Scroll to [7.Display] using navigation key, then press [OK].
(or press digit 7)
3. Scroll to [5.Idle Banner] using upper/lower navigation key,
then press [OK]. (or press digit 5)
4. Enter the text then press [OK].

Network

Various features are provided for you to set up the network services. Before using the network services, you have to subscribe them through your service provider and obtain user instructions from your service provider.
You can direct your incoming calls to another number.
For details, please contact your service provider.

Call divert

1. Press [Main].
2. Scroll to [8.Network] using navigation key, then press [OK].
(or press digit 8)
3. Scroll to [1.Call Divert] using upper/lower navigation key,
then press [OK]. (or press digit 1)
4. Scroll to desire item, then press [OK]

- Divert Always : All calls are diverted.
- On Busy: Calls are diverted if are currently on another call.
- No Reply: Calls are diverted if you have not answered the call.
- Unreachable : Calls are diverted if are not in an area covered by your service provider.
- Cancel All : All call diverting options are cancelled.

Call barring

This service allows you to restrict outgoing calls and incoming calls

- 1. Press [Main].
- 2. Scroll to [8.Network] using navigation key, then press [OK]. (or press digit 8)
- 3. Scroll to [2.Call Barring] using upper/lower navigation key, then press [OK]. (or press digit 2)
- 4. Scroll to desire item, then press [OK]
 - All outgoing : All calls cannot be made.
 - Int'l Call : International calls cannot be made.
 - Int'lExpHome : When you are abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.
 - All incoming : All calls cannot be received.
 - In.AtAbroad : Calls cannot be received when you use your phone outside of your home service area
 - Cancel all : All call barring settings are deactivated.
 - Change PWD : User can change the call barring password

Call waiting

This service enables you to be informed when you receive a second call during on ongoing call.

- 1. Press [Main].
- 2. Scroll to [8.Network] using navigation key, then press [OK]. (or press digit 8)
- 3. Scroll to [3.Waiting] using upper/lower navigation key, then press [OK]. (or press digit 3)
- 4. Scroll to desire item, then press [OK]

- Enable : Activating the corresponding service.
- Disable : Deactivating the corresponding service.
- Check Status : Checking the status of the service.

Caller ID

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

- 1. Press [Main].
- 2. Scroll to [8.Network] using navigation key, then press [OK]. (or press digit 8)
- 3. Scroll to [4.Caller ID] using upper/lower navigation key, then press [OK]. (or press digit 4)
- 4. Scroll to desire item, then press [OK]
 - Default: The default setting provided by the network is used.
 - Hide Number: Your number will not be displayed on the other person's phone.
 - Send Number: Your number is sent each time when you make a call.

Network setup

1. Press [Main].
2. Scroll to [8.Network] using navigation key, then press [OK].
(or press digit 8)
3. Scroll to [5.Network Setup] using upper/lower navigation key,
then press [OK]. (or press digit 5)
4. Scroll to desire item, then press [OK]

1. Select NT(Select Network)

User can select available network.

- Auto select
- Manual select

Please be careful that the phone may not operate properly
if you change the network set up.

2. Preferred NT (Preferred Network)

(1) Add

Add from available : Add preferred network from
available network.

Add from known : Add preferred Network from known
network.

(2) Display : It shows the network which it prefers

3. Known Network

You can select a network in the known network lists.

STK

STK features are provided by your service provider. STK menu
shown only if it is supported by your SIM card. The name and
contents of the menu depends on the available services. For
details on using STK services, contact your SIM card vendor,
e.g. network operator, service provider.

1. Press [Main].
2. Scroll to [9.STK] using navigation key, then press [OK].
(or press digit 9)
3. Scroll to desire item, then press [OK]

Message

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

Access to message

Press the right soft key [] in idle mode.

New message

You can write and edit text message. In addition, you can use the Enhanced Messaging Service (EMS), which contain make text messages consisting of simple pictures, melodies, animations.

1. Press the right soft key [] in idle mode.
2. Scroll to [1.New Message] using navigation key, then press [OK]. (or press digit 1)
3. After you complete the message, to select the required menu, press [OK].

* The followings are available

- [Send Only : To send the message.
- [Save and Send : After save the message then send.
- [Save Only : Allows you to save the message so that it can be sent later

* About the 'Menu'

(1) Insert Media

You can send attachments with the message. While you entering a message, you can send and receive text message that contain attachment by selecting the below categories.

⌘ Pictures / Melodies / Bell / Animation

(2) Input Method

Using this menu, you can select input text mode.

⌘ iTap / abc / Numeric / Symbol

(3) Language

Using this menu, you can change the input languages. Please select the language that you would like to choose.

* The supported language may be different by countries.

iØ Even if you go out the edit mode by your mistake while you entering the message, the messages are stored in your phone. When you write the message at next time, the stored message will appear.

Message

Inbox

You can receive and save incoming messages. When you receive a new message, alert tone beeps and new message icon appears.

1. Press the right soft key [] in idle mode.
2. Scroll to [2.Inbox] using navigation key, then press [OK]. (or press digit 2)
3. Scroll to desired list, then press [OK],

ⓘ The latest incoming message is displayed on top of the inbox. When the callback number is displayed, press [SEND] to connect a call.

* About the 'Menu'

- (1) Reply: To reply a received message
- (2) Forward: To forward a received message to other recipients
- (3) Copy to SIM(Phone):
To copy the message from the SIM to the phone's memory or contrariwise.
- (4) Delete: Deletes the selected message.
- (5) Delete all: Deletes all the messages saved in inbox.

Outbox

In this menu save any messages that you have already sent (If you choose "Save and Send" in New Message menu) or just saved without sending (if you choose "Save only").

1. Press the right soft key [] in idle mode.
2. Scroll to [3.Outbox] using navigation key, then press [OK]. (or press digit 3)
3. Scroll to desired list, then press [OK],

Message

* About the 'Menu'

- (1) Forward: To forward a received message to other recipients
- (2) Copy to SIM(Phone):
To copy the message from the SIM to the phone's memory or contrariwise.
- (3) Delete: Deletes the selected message.
- (4) Delete all: Deletes all the messages saved in inbox.

Quick Text

There are some text messages which already set in the phone. You can read and edit the template messages or create new message.

1. Press the right soft key [] in idle mode.
2. Scroll to [4.Quick Text] using navigation key, then press [OK]. (or press digit 4)
3. Scroll to desired list.

* About the 'Menu'

- (1) Edit : To write a new message or edit the selected template message
- (2) Send : To send the selected template message

Message

Voice mail

This menu is a network service. So you may need to subscribe to it first. For more information or for the voice mailbox number, please contact your service provider. Before using this feature, you must enter the voice centre number.

1. Press the right soft key [] in idle mode.
2. Scroll to [5.Voice Mail] using navigation key, then press [OK]. (or press digit 5)
3. Scroll to desire item, then press [OK].

* About voice mail menu

- (1) Number: You can input and save the voice mailbox number to search for or edit mailbox number.
- (2) Listen: Press [OK] to listen to voice messages.

Broadcast

You can receive message on various topics such as weather or traffic conditions from your service provider. For available topics and relevant topic numbers, please contact your service provider.

1. Press the right soft key [] in idle mode.
2. Scroll to [6.Broadcast] using navigation key, then press [OK]. (or press digit 6)
3. Scroll to desire item, then press [OK].

Message

- (1) Inbox
The list of received broadcast messages are displayed.
- (2) Option
This menu allows to enable or disable reception of broadcast message, it set to [Off]
- (3) Set Language
It allows you to select preferred languages.
The broadcast message will be displayed in the selected language.
- (4) Channel List
It allows you to indicate the channels from which you would like to receive broadcast messages.

Setting

You can set various option about the message which the sending, receiving or viewing.

1. Press the right soft key [] in idle mode.
2. Scroll to [7.Setting] using navigation key, then press [OK]. (or press digit 7)
3. Scroll to desire item, then press [OK].
 - (1) Service Center
It enables you to store or change the SMS center number.
You must obtain the number from your service provider.

(2) Expire Period

It enables you to set the length at the message center while attempts are made to deliver them. Select the period in which the service center tries to deliver the message.

☞ 1 hour / 6 hours / 12 hours / 24 hours / 72 hours / 1 week / Maximum

(3) Message Type

It enables you to set the default message.

☞ Text / Voice / E-mail / Fax.

The network can convert the message into the selected format.

(4) Status Report

It enables you to activate or deactivate the report function. When this function is activated, the network will inform you whether your message has been delivered or not.

(5) Alert Period

You can select alert period of incoming messages.

☞ One Time / Every 2 min / Off

Battery

About the battery

The battery pack is not fully charged when purchased. Fully charge it for 8 hours the first time before using. Use only batteries approved by the phone manufacturer. Recharge battery only with the charger approved by the manufacturer. Unplug the charger when not in use.

Charging the battery

1. Connect the power plug to the wall socket outlet.
2. Insert the power cable jack into the connector at the lower part of the phone.



* Tips

- When the battery is almost empty, you will hear 'Beep' sounds.
- It may take additional charging time if the phone is powered on.
- Insert a charger after the connector cover turn sideways, and you will be able to charge easily .

Reference Information

Caution!

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. If you use the non-approved batteries, it may cause fire or explosion. Unplug the charger when not in use .
- Do not leave the battery in hot or cold places, such as in a closed car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery.
Also do not leave the battery in microwave, pressure pot.
If the battery is heated in the closed space, it may cause fire, smoke or broken. Always try to keep the battery between -10~55℃
- Do not shock to battery extremely.
It is very dangerous to disassemble a battery or to give a strong shock to the battery with the nail or the hammer.

Reference Information

- Keep the battery away from babies or pets.
If the baby suck the battery, or the pet bite off the battery, it may cause broken or short circuit
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.
- Please handle the battery cautiously.
Do not allow the battery terminals to contact the metallic objects. When the battery contacts metallic object (coin , clip or pen) it may cause accidental short-circuit, for example when you carry a spare battery in your pocket or purse. This may critically damage the battery.
- Do not contact with liquid, water, rain, beverage and extreme humidity. It will damage the circuit inside battery or cause the battery with extreme large current and cause fire or smoke.
If the battery falls into the water, please remove it away from your cellular phone immediately. Then dry the battery in the shade and please contact service center.

Battery time

1. Charging Time(Power Off Status)

Description	Standard(720mAh)
Time	2 hours

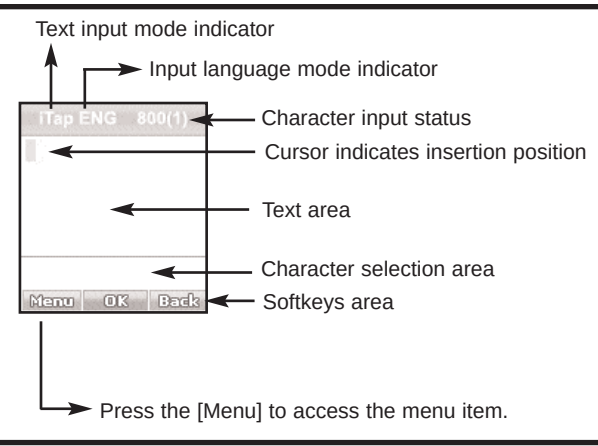
2. Battery Time

Description	Standard(720mAh)
Talk Time (min)	100 ~ 120 min
Standby Time (hours)	60 ~ 110 hours

- 1. Battery operating time (standby and talk time) is an estimated value from normal field condition (DRX=5). Therefore the battery performance depends on many factors including network configuration, signal strength, battery age and condition, the temperature and backlight status.
- 2. If the phone is in 'no service area', the standby time will become shorter.
- 3. Receiving call requires the same amount of electric current as much as that of making a call.

Entering Text

You can enter characters by using the phone's keypad. Using this feature you can storing a name in the phonebook, creating idle banner and scheduling events.



Reference Information

General text input guideline

Press [CLR] key

- Press the key : To delete one letter at a time.
- Press and hold down the key : To deletes the all characters in text area

Press [*] key

- Word is entered : To select the word you entered.
- No word is entered : To insert a space

Press [END] key : Go to idle screen.

Press [1] key : To enter the punctuation marks.

Press [Side key] : To change input method.

Press [#] key

- Press the key : Changes the upper case and lower case.
- Press and hold down the key : On the text input mode, it changes the text a line

Changing the text input mode

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

* Refer to [New message]

Reference Information

English input

1. Normal English

- Letters input: press 2-9 one or more times to select letter.

(Example) Input 'a' should press '2' once, Input 'y' should press '9' three times.
- Symbol Input: press '1' to select mark symbol, press '0' to select context symbol.
- Uppercase and lowercase: key [#]key.
- Space: key (*).

2. Quick English

- Word input: press 2-9 one time to input letter at the key.
- Symbol Input: press '0'. to select all support symbol when no word is input.
- Press the [Left/Right navigation]key or [0]key, to move highlight word forward/back on the character selection area
- Press '*' or Key down to confirm the highlight word.
- Space Input : key (*).

Numeric input

0-9 to input number.
Space Input : key (*).

Symbol input

Press navigation key to navigate page up/down.
Press 1~8 to confirm one of them.
Press i@*i to confirm the first candidate.

Reference Information

Data format	
Idle Mode	Month:1~9,10,11,12 Day(DD) :1~9,10,31 12/25 10:30A ————— A:AM/ P:PM Min(MM):00~09,10~59 Hour(HH):0~9,10,11,12
Schedule / Anniversary / Alarm	12h 34m Min : Enter Min from 00 to 59 Hour : Enter hour from 1 to 12
Anniversary	0000Y 00M 00D Day :Enter Day from 01 to 12 Month :Enter Month from 01 to 12 Year :Enter 1900 to 2040
Stopwatch	00:00:00 ————— Millisecond Second Minute
World Time	Dallas ————— City name 8/13(We) 2:14A Mo~Su

Reference Information

Troubleshooting

Check these questions first if you experience problems with your phone :

Q : I press the Power / End key, but nothing happened.

A : Be sure to press and hold [END] (the END/Power key) until the display appears. You will hear an audible alert. If nothing happens, check the battery pack.

Q : The display says "Insert SIM Card" or "Check SIM Card" even though I have inserted my SIM card in the phone.

A : The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. Be sure to turn your phone off and turn it on again after your re-insert the SIM card.

Q : The display says "Locked." . How do I unlock my phone?

A : Try entering the 4 digit lock code 0000.

Q : The display says "SIM Blocked". How do I unblock my SIM card?

A : Call your service provider to obtain the PIN unblocking key(PUK) code.

Q : My phone does not ring.

A : If you see "Silent / Vibrator icon" in the display, then the ringer is turned off. Also, the ringer may be set to "Silent" even through your phone is set to a ring alert profile.

Reference Information

Q : I cannot send/receive calls.

A : Make sure that you have a phone network signal.
Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings.
Your phone also may have the "Call Barring" feature turned on. If you know the password, you can change this setting in the network setup menu.
Also check and make sure your SIM card is installed and working properly.

Q : My battery didn't last as long as I expected. What can I do to extend battery life?

A : Your battery's performance is affected by charging frequency, feature use, temperature changes and other factors.

Q : I tried to place a call and heard an alternating high/low tone.

A : Your call did not reach the wireless system.
You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.

Reference Information

Technical information

Supported Systems	GSM 850/1800/1900
Operating Frequency Range	GSM 850: 824 to 849 MHz(TX) 869 to 894 MHz(RX)
	DCS 1800: 1710 to 1785 MHz(TX) 1805 to 1880 MHz(RX)
	PCS 1900: 1850 to 1910 MHz(TX) 1930 to 1990 MHz(RX)
Max. Transmitting Power	GSM 850 : 33dBm(2Watt) Nominal DCS 1800 : 30dBm(1Watt) Nominal PCS 1900 : 30dBm(1Watt) Nominal
Size	84 x 46 x 21 mm
Weight	84 g(approx.)

* GSM : Global Systems for Mobile Communications

* DCS : Digital Cellular System

* PCS : Personal Communication Service

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Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTENTIALLY EXPLOSIVE ATMOSPHERES

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

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INTERFERENCE TO MEDICAL DEVICES

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

RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna.

Do not touch the antenna unnecessarily when the phone is in use.

Do not move the antenna close to, or touching any exposed part of the body when making a call.

SAR INFORMATION

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

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **1.02 W/Kg** and when worn on the body, as described in this user guide, is **0.343 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on **FCC ID: R5WNGTS510T**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

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

FCC Compliance Information

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

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

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION

RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

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

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

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