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FCC SAR Compliance Statement

FCC SAR Compliance Statement

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For your safety

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Taking Care of your Thuraya Mobile Phone

Taking Care of your Thuraya Mobile Phone

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Certification information (SAR)

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Before you start

FCC SAR Compliance Statement

The Federal Communications Commission (FCC) has adopted a safety standard for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC-certified equipment. This wireless mobile phone has been evaluated under FCC Bulletin OET 65C (01-01) and found to be compliant to the requirements of uncontrolled environmental limits as set forth in CFR 47 Sections 2.1091, 2.1093 addressing RF Exposure from radio frequency devices when operated in accordance with the operation guidelines described in this manual. Proper operation of this radio device according to the instructions in this publication will result in user exposure substantially below the FCC recommended limits.

Your wireless phone SO-2510 is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (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 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC 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 (for example, at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 0.37 W/kg (with regard to Body-worn measurements, this mobile phone can not be used in a body worn position because in this position the phone can not properly receive and transmit the satellite signal and the operation is not practicable). The body-worn operation is restricted in use.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

Before you start

The FCC has granted an Equipment Authorization for this wireless mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this 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:TZ5SO-2510.

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (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. SAR values may vary depending on national reporting requirements and the network band.

FCC RF Interference Statement

This device complies with Part 15 of the 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.
- This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and radiates radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference. However, there is no guarantee that interference will not occur. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase separation between the equipment and receiver.
 - Connect the equipment to an outlet on a circuit different from which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician.

Before you start



This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RoHS

This product is in compliance with EU RoHS Directives and manufactured using lead-free solder paste and parts.

Before you start

Please read carefully and make yourself familiar with the safety measures and user instructions in this Manual before you start to use your SO-2510. Thuraya is always improving the user interface to ensure the user has the best experience.

For your safety

Read the following guidelines to help you get the most out of your Thuraya Phone.

For more detailed explanations please refer to the complete user guide.

SWITCH ON SAFELY

Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

ROAD SAFETY COMES FIRST

Obey all local laws.
Always keep your hands free to operate the vehicle while driving.
Your first consideration while driving should be road safety.

SWITCH OFF IN HOSPITALS

Follow any restrictions.
Switch the phone off near medical equipment.

SWITCH OFF IN AIRCRAFT

Follow any restrictions.
Wireless devices can cause interference in aircraft.

SWITCH OFF WHEN REFUELING

Do not use the phone at a refueling point.
Do not use near fuel or chemicals.

SWITCH OFF NEAR BLASTING

Follow any restrictions.
Do not use the phone where blasting is in progress.

Before you start

Battery Information

Use only Thuraya approved battery pack, and Thuraya approved chargers for your phone.

- Do not short-circuit the battery. Short-circuiting the terminals may damage the battery or the connecting object.
- Do not expose to high temperatures.
- Please dispose the battery in accordance with local regulations.

Taking Care of your Thuraya Mobile Phone

Your device is a product of superior design and craftsmanship and should be treated with care.

The suggestions below will help you protect your warranty coverage.

- Keep the device dry. Liquids or moisture can contain minerals that will damage electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices and damage batteries.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

Before you start

Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

Before you start

SO-2510 Unpacking

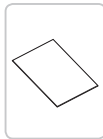
Your package contains the following items:



Handset



Battery



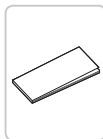
Quick Start Guide



Ear Set



Travel Charger



User Manual &
Warranty Card

SO-2510 Accessories



Data Cable

Your SO-2510

An overview of your Thuraya phone.



- 1 SAT antenna
- 2 Ear-set jack
- 3 Display
- 4 Left soft key
- 5 Right soft key
- 6 Send key
- 7 End key
- 8 4 ways navigation key
- 9 Ok key
- 10 Alphanumeric keypad
- 11 Star key
- 12 Hash key
- 13 Microphone
- 14 Battery release
- 15 Charger socket
- 16 SIM card holder
- 17 USB/Data cable connector

Before you start

The function of the keys



Navigation Key

4-way direction key for moving focus in menu screen.



Center Key

This key is used to select/unselect and confirm menu options.



Left Soft Key

The function of the key depends on the text shown on the display above the key.



Right Soft Key

The function of the key depends on the text shown on the display above the key.



Send Key

To accept or initiate a call, access the list of numbers you last called or attempted to call.



End Key

To end the current connection, or to reject an incoming call.

Press and hold to turn the phone on or off.



Keypad

Used to enter numbers and characters. Long press on 0 key will display a '+'.



* Key

Long press will switch between Silent & Normal mode. Enters special characters in SMS editor.



Key

Press and hold to lock the keypad. Toggles between numbers and characters in SMS editor.

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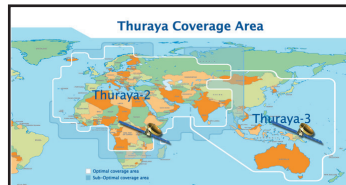
Getting started

Introduction

Your Thuraya SO-2510 Satellite Only Phone is a powerful and compact phone offering total convenience and mobility across Thuraya's coverage area. Its superiority is reflected in integrating two technologies in one handset: satellite (SAT), and GPS offering you an unmatched combination of quality and performance.

However, in order to establish communication on SAT mode, here are few points to be considered.

- The antenna should be pulled out to make or receive SAT calls.
- While observing the indicator for SAT signal strength, move around to achieve the best connection quality for the mobile phone.
- SAT communication requires clear space without obstructions such as buildings, trees or mountains.
- It is important to direct the antenna of the Thuraya SO-2510 towards Thuraya satellites.



Getting started

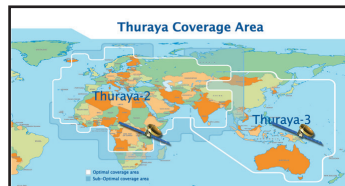
HPA (High-Penetration Alerting)

The Thuraya system features a 'High-Penetration Alerting' capability that allows you to be notified of incoming calls even when your mobile phone has poor signal coverage. When the mobile phone receives a High-Penetration Alerting signal it will alert you with an 'early ring' and a special display message (see page 20).

To answer the call, you must immediately extend the antenna and move the mobile phone into a position that has a clear 'line of sight' to the satellite. When this has occurred the mobile phone display will change, prompting you to answer the call and proceed with the conversation. If the call is not answered promptly after the High-Penetration Alerting signal is received, the calling party will be diverted to voice mail and/or an announcement stating that you are not available to answer.

Just like GSM, the satellite coverage area is divided into many different regions. The phone searches the network automatically (see page 73) and determines which service region is active by registering its presence with the Thuraya system. If the mobile phone has not been able to update this registration due to a weak signal, the registration information will become out of date or 'stale'. This is indicated on the display by a blinking SAT icon in the left of the signal strength indicator. This condition will clear automatically once signal conditions improve and a call is made or a period of time elapses. You also have the option to speed up that procedure by manually having the mobile phone register with the Thuraya system.

This is accomplished with the function SAT Registration in the mobile phone's menu (see page 74). Make sure you have good SAT signal strength before using this function.



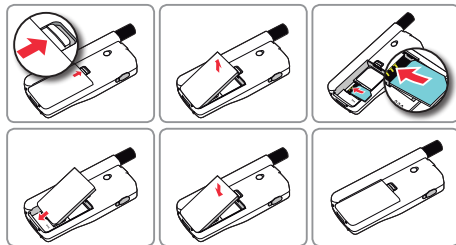
Getting started

Initial steps

Inserting SIM card

To insert the SIM card :

1. Switch off the mobile phone before removing the battery and inserting the SIM card.
2. Lift the battery from the back of the mobile phone and insert the SIM card as shown in the pictures below.

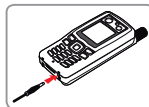


Connect the charger and charge the battery

You should charge the battery supplied with the mobile phone as soon as possible to obtain full battery charge.

To charge the battery :

1. Fit the correct country specific adapter into the charger.
2. Plug the charger plug into the charger socket.
3. Connect the charger to an AC source.



While the battery is charging you see the  symbol changing to  cyclically. The battery is fully charged approximately after 2 hours and 30 minutes. The charger stops charging automatically when the battery is full. As long as the charger is not disconnected it restarts charging after a while to keep the battery fully charged.

You may still use the mobile phone while charging the battery.

The internal clock for time, date (see page 70) and alarms (see page 46) will still keep running for about two hours if neither the battery nor the charger is connected, but no alarm will sound unless a charged battery is connected.

Getting started

Switch the mobile phone On/Off

Press  for 3 seconds to switch the mobile phone on.

Press  for 3 seconds again to switch the mobile phone off.

Enter your PIN

The PIN (Personal Identification Number; 4 to 8 digits) is initially supplied together with the SIM card by your service provider and can be changed later. (see page 75)

1. Enter PIN using keys on keypad.

Each digit entered is displayed as an  (*).

2. Press  to confirm PIN.

Note

- If more than 3 errors are made when entering PIN code, PUK code must be entered.

Emergency call (SOS)

Until you have entered the correct PIN, you can make only emergency calls.

To make an emergency call before having entered the PIN. In screen Press  (SOS).

Or.

1. Enter a specific emergency number.
2. Press .

The soft key SOS is available even:

- When the SIM card in your mobile phone is not valid.
- When you have a valid SIM card but no roaming with the selected service provider is possible.

After the PIN is accepted, you have to make an emergency call in the same way as you make a 'normal' call.

Getting started

Note

- Emergency calls may not be possible on all cellular telephone networks or when certain network service are in use.
- In uneven terrain or close to large buildings, the operating range can be limited, which affects the connection.

Emergency numbers normally are : 112, 118, 119, 911, 999
Check with your network service provider for local emergency numbers in your area.

Setup Wizard

Use this to set the basic details of the phone when booting initially. You can either use or skip this function.

To change settings, use the applicable menu or Setup Wizard Menu in Settings.

For more details, refer to Setup Wizard Menu in Settings.

Lock/Unlock in Idle Screen

The keypad may be locked so that a number cannot be accidentally dialed e.g. while the mobile is in your pocket or handbag.

Calls can be received while the phone is locked.

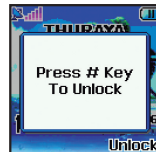
To Lock :

1. In idle screen, long press  (#) key.
2. Locked.



To Unlock :

1. Press  key.
2. Press  key within 3 seconds.
3. If  key is not pressed within 3 seconds, the keypad will remain locked.



Getting started

Display

Display layout



Indicator line
SAT area information

Time & Date line
Soft key comment line

The pattern of the display areas is as follows :

1. The indicator line shows mainly symbols which inform you about the operating conditions of the mobile phone.
2. The main area shows data relating to calls, menu and their submenus and displays the editors for the Contacts and SMS messages. In idle mode (standby), the network name, time and date are displayed.
3. The soft key line operates together with the  and  soft key and the OK key  beneath this line. It provides access to menus and controls. (see 'Using soft key and Ok key' on page 17)

Display symbols

Signal type



SAT



HPA



Roaming

Battery strength



Battery almost discharged



Low battery



Battery good



Battery full

HPA strength



~



HPA Low signal ~ HPA High signal

Signal strength



SAT signal 1



SAT signal 2



SAT signal 3



SAT signal 4



SAT signal 5

Getting started

Call status

-  On call
-  mute
-  Ciphering (call encryption) is off
-  GPRS Hold
-  GmPRS Connecting / Connect GmPRS
(blinking icon during a connect GmPRS)
-  While sending to and receiving data from an external device

Phone status

-  Unread SMS
-  Silent
-  Schedule
-  Voice mail
-  Voice mail + SMS
-  Alarm
-  SMS inbox full
-  Incoming call silent
-  Call Divert

Soft key command

-  Ok
-  List
-  Speed Dial
-  Edit
-  Save
-  Search
-  Undo
-  View

Using soft key and menu

In idle mode, your mobile phone offers functions and settings which allow you to adapt the mobile phone to your needs. You access these functions through menus and submenus by scrolling or by using the appropriate shortcut.

During a call or while you are editing a number or text, the menu system changes and gives access to various functions, depending on the context.

The following section describes the principles of using the menu.

Getting started

Soft key action

Soft key actions for function calls and navigation in menus and lists are performed through entries in the soft key line in conjunction with the corresponding keys below this line.

Depending on the number of soft key actions offered, the two soft keys beneath the soft key line and the okay key can be used:



: Select

: Back

: OK (OK)



: Save

: Back

: (Edit)

Note

- Command of is in the form of icon.

Refer to page 16 where each icon and corresponding command are shown.

Menu navigation

Menu screen is composed of 9 menus. Use the navigation key to move the focus to the desired menu icon and execute by pressing



4 ways navigation key

Left / Right direction

Up / Down direction



Left / Right direction



Up / Down direction

Getting started

Quick access

Menu items can be executed by using the key pad as well as by using the navigation key and soft key as in menu navigation. In the following example, Speed Dial is described using both methods.



1. In idle screen press Menu.
2. Scroll to [Contacts] and select.
3. Scroll to Speed Dial and select.



Or. (Quick access)

1. in idle screen press Menu.
2. Press .
3. Press .

Step back one menu level

If you need to go back to a previous window or to move to higher menu during menu execution:

1. Press .

Exit the menu

To go to idle screen during menu execution:

1. Press .

Getting started

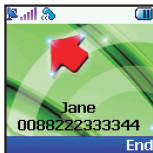
Making and receiving call

In order to make a call you must be connected to a network and have an adequate SAT signal.

Dial using the keypad

Telephone numbers can be dialed using traditional method.

1. Enter phone number using keypad.
2. Press .



Note

- To make an international call, long press . If + is displayed, enter country code without the leading 0's.
- When entering a number, short press  button once to input *, short press  button twice to input P and short press  button three times to input W.

How to end a call

1. Press .

Receiving a call

When there is an incoming call, it is indicated as follows:

- Ringtone (according to melody and volume of current setting) can be heard.
- A flashing  is displayed.
- If caller's number is set to be displayed, the number will be displayed on the screen. If the number is stored in the contacts, the corresponding name of contact is displayed.

Accept a call

1. Press .

Reject a call

1. Press  or .



Note

- When in an existing call is used, press  to reject an incoming call using reject.

Getting started

Silent a call

In situations where incoming call is disturbing, it can be turned off by using the Silence soft key.

1. Press .

Note

- Sound volume during call can be increased/decreased by using  and other sound volumes can be changed by using the sound setting menu.

High-Penetration Alerting

You cannot receive an incoming call if the SAT signal to your mobile phone is not good enough. In this situation, a message box with "SAT Call Find Improved Reception" and a special ringtone will be displayed on the screen and signal on indicator line changes to HPA signal.



You cannot receive calls in High-Penetration Alerting mode.

You must move to a place of better SAT signal to receive calls. Otherwise, you can use reject or ringtone off.

To receive calls in HPA mode:

1. Move to a place with an improved signal.
 2. Fully extend the antenna of SO-2510.
 3. Point SO-2510 roughly towards satellites.
 4. While watching signal on indicator, as soon as signal strength is strong enough the warnings disappear from the display.
- Now you can accept the call as usual by using the  key.

Getting started

Options during call

Your mobile phone offers a number of options which are only available during a call. You cannot use all of these features at all times, because they vary depending on current circumstances.



Put a call on hold:

If you have registered for this function in your contract with your service provider, you can interrupt a call temporarily without shutting down the connection.

Muting/unmuting the microphone:

You can switch off the microphone so that the caller is not able to hear what is being said at your end of the line.



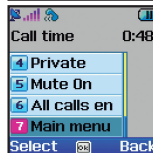
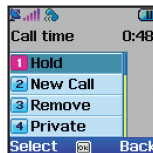
Handling more than one call simultaneously

Incoming call:

When Party1 is receiving a call from Party3, while talking with Party2, Party1 can 'accept' or 'reject' the call from Party3. If the call is rejected, the conversation between Party1 and Party2 is not affected. If the call is accepted, Party2 is put on hold and Party1 is connected to the call from Party3. Using the option menu, Party1 can swap over Party2 and Party3, or operate a multi-party call up to 6 users including Party1.

Outgoing call:

If Party1 wants to make a call to Party3, while talking with Party2, using the option menu puts Party2 on hold and enters Party3's phone number. To include Party2 in the conversation with Party3, select a multiparty call on the option menu. Party2 and Party3 can be swapped over. Up to 6 users including Party1 can have a conversation simultaneously.



Getting started

Connect a private call:

You can isolate a party from the multiparty call and talk exclusively with this 'private call'. The other parties of the conference will be put on hold and will not hear what you are speaking with the 'private' party. You can only have up to two active calls at one time. Therefore you can select Private only if your second line is not busy with another call.

End one call:

You can switch off the microphone so that the caller is not able to hear what is being said at your end of the line.

End all calls in one step:

Ending all calls in one step terminates the multiparty call. All parties will be disconnected from each other and they will hear the tone for 'line busy'.

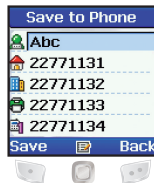
Main Menu:

You can use most of the functions in Main Menu such as Sending DTMF signals, Read/Write SMS messages. However, some functions may not be available.

New Message

To enter Name, Message and Memo, follow the below procedures. In order to facilitate fast operation, the Select mode and Enter mode are separated with SO-2510. In the Select mode, entry cannot be made with keypad but can be made by using the Edit mode.

Select mode



Focus can be moved using navigation key and entry cannot be made in general text box except number entry. When text entry is possible,  is displayed on soft key line. That is, to enter name in select mode,  should be pressed to move into edit mode.

Getting started

Edit mode



Desired characters can be entered. In edit mode, navigation key can be used to put space at the end of text row, as well as to move cursor.

Text composition is restricted for each item, the number of characters for names and numbers varies depending on the memory and the input language. When storing in Phone memory, up to 30 characters for name and 32 characters for number can be used. When storing in SIM memory, up to 14 characters in Latin-related language can be used for name and 11 characters for Unicode language. As for number, up to 20 characters can be used.

Change Input mode

Entry status is displayed with **WW 223 SVM ABC Abc abc 123**.

Among these, change of capital/small characters can be done by pressing (sharp key). To change to **NUM SVM 123 e21**, Option should be used.



abc shows whether current entry status is capital or small characters.

Differentiating capital and small character is supported only with Latin languages. The supported entry forms in Text entry are as Below:

ABC : Capital **abc** : Small **Abc** : Capital + Small
123 : Number **SVM** : Special Character **e21** : eZiText On
WW 223 : Arabic , Farsi, Urdu , Hindi Number

ABC indicates number of current entered characters and available characters for entry.

Note

- In eZiText status, capital/small character status is not shown. However, pressing lets you know that capital/small character entry is still operating.
- To switch on or off eZiText, press (for a few seconds). Additionally, press shortly and a symbol input pop up window will be shown. Once text is input, the status will change to tap mode.

Getting started

Input symbol

There are two ways to enter symbols.

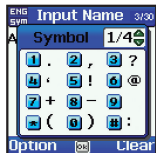
One is in symbol pop up by changing entry status with , and the other is to obtain desired symbol by pressing .

To close the window without entering symbol, press  key (Close).

To insert a symbol

In text editor

1. Press  (option).
2. Scroll to Symbol and select.
3. Use  to move through pages.
4. Press desired symbols or numbers.



SVM is composed of several pages and change of page is done with   and symbol entry is done using keypad. (e.g.) Entry of "?" is complete by pressing .

Note

- Special characters can be simply entered by pressing  when it is not for symbol or numbers.

The details of special characters are below.

.	,	?	‘	!	@	+	-
CR(↵)	(	)	:	;	*	/	^
=	<	>	%	&	"	_	#
{	}	\$	£	¥	¤	~	
[	]	i	¢	§	¶	Δ	Φ
Γ	Λ	Ω	Π	Ψ	Σ	Θ	Ξ

Getting started

Input number

There are two ways to enter numbers in text entry window. One is to change entry status to numeric and the other is to press desired number on keypad for 2 seconds.

To enter Number mode

In text editor

1. Press  (option).
2. Scroll to 123 and select.
3. Scroll to NUM and select (Arabic, Farsi, Urdu, Hindi Number).
4. Press desired numbers on the keypad.

Or.

1. Press desired numbers on the keypad for a few seconds.

Note

- It is better to change entry status to numeric when entering a series of numbers.

Change language

SO-2510 supports 12 languages.

Supported languages are:

- | | | |
|-----------------------|-----------------------|--------------------------|
| 1. English ENG | 2. French FRE | 3. German GER |
| 4. Italian ITA | 5. Spanish SPA | 6. Portuguese POR |
| 7. Turkish TUR | 8. Russian RUS | 9. Farsi FAR |
| 10. Arabic ARA | 11. Hindi HIN | 12. Urdu URD |

The language is divided into System language and Input language and System language is for menu settings shown on screen and Input language is for entering messages or name.

When composing a message, the user can use two languages. English is supplied as basic and the other language should be set up by the user in <Settings - Language>. (see page 62)

To change entry language

In text editor

1. Press  (option).
2. Scroll to Language and Ok.
3. Scroll to desire language and press Ok.



Getting started

eZiText On/Off

eZiText is built in for faster entry of words. With eZiText, you don't have to type in desired words. A few keys in combination entered by user will recommend the nearest words.

To switch eZiText On/Off

In text editor

1. Press  (option).
2. Scroll to eZiText and select.
3. Press desired numbers on the keypad.



Results obtained through  -  -  -  are two recommended words including "Believe".

To enter the recommended word from eZiText, repeatedly press keypad of the word until desired word is found and press  to enter and in case desired word is not shown, move focus using   to the desired word and press .

Use  to search more words.

To enter a new word which is used frequently, register it in **Dictionary** located in Option for easy future use.

Getting started

01

02

Getting started

03

04

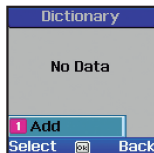
Dictionary

In eZiText only the words registered in eZiText engine are recommended, when new words or names are not recommended, the user has the ability to insert a new word in the eZiText dictionary.

To register a new word

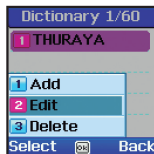
In text editor

1. Press  (option).
2. Scroll to Dictionary and select a word.
3. Dictionary List Move.
4. Press  (Add).
5. Input new word.



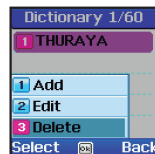
To change the registered word

1. Press  (option).
2. Scroll to Dictionary and select a word.
3. Dictionary List Move.
4. Press  (Edit).
5. Change word.



To delete the registered word

1. Press  (option).
2. Scroll to Dictionary and select a word.
3. Dictionary list Move
4. Press  (Delete).



Note

- Using Dictionary 'Add' functions may affect the Input Language. When editing the word saved in Dictionary, modification will be made using the changed Input Language.

To clear text

To clear already entered text, a short press of the  key clears one character at a time and a long press of the  key clears all of the entry.



SO-2510

.....
www.thuraya.com

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Using the menu

1. Contacts

SO-2510 manages 4 different Lists.

You can make calls using numbers from each List.

- Contacts list
- List of missed calls
- List of received calls
- List of dialed calls

Among these the most important number list is contacts list. The numbers registered with contacts list have corresponding names and the names are displayed in call logs instead of the numbers.

The Contacts menu includes those contacts stored in your SIM card. If you already have contacts stored in SIM card, Contacts in the memory and SIM card contacts will be shown together.

In the SO-2510 contacts in the phone's memory and contacts in SIM card are managed separately. Therefore, to add a new contact, you should decide whether to store it in the mobile phone or SIM card.

When stored in the SIM card, the maximum number of names and numbers varies depending on service provider.

When stored in mobile phone, a single contact may have a name, home number, office number, fax, mobile 1, mobile 2, pager, e-mail, Caller Group. You can also select one of these numbers as a representative number.

The maximum possible number of contacts is 255 with maximum 6 names (SIM), 30 names (Phone) or 32 numbers.

Also, when making a call to a name in the contact list by pressing  it tries to connect to the primary number. The numbers which are stored in contacts are displayed in the 'all the lists' with their respective names.

- list of dialed numbers
- list of missed calls
- list of received calls

Contacts is very useful with all contents related to call. For example, when someone's contact is required with "Fixed Dialing", "Divert call" or "Recipient" (SMS), it can be used through Option.

Using the menu

Entering details of Contacts

There are different ways to make a new contact entry:

1. First enter a number to be dialed and then store the number in the contacts by pressing .
2. Select either "Phone" or "SIM" as the save location.
3. Select type     .
4. Enter Name.
5. Enter other numbers.
6. Enter E-mail.
7. Select Group.



Set Speed dials

For Speed dials setting, enter number and press .

It can be registered with one of numbers 2 ~ 9, as desired.

8. After entering all necessary contents, select Save.

Or.

1. In idle screen press  Menu.
2. Scroll to contacts and make a selection.
3. Scroll to Add Name and make a selection.
 -  - 
4. Enter Name, Number, E-mail, Caller Group.
5. After entering all necessary contents and then select Save.

Or.

In SMS message viewer, Option → Save number
In Missed calls list, Option → Save to contacts
In Received calls list, Option → Save to contacts
In Dialed calls list, Option → Save to contacts

Using the menu

Assign a speed dial (One touch dial)

Contacts entries assigned a number from 2 to 9 can be dialed with the press of a single key.

The number of voice mail box is to be stored as 1 and the remaining numbers 2~9 can be used only for the numbers registered in contacts.

1. Setting of Speed dials in the contacts entry is explained on page 35.

Or.

1. In idle screen press  Menu.
2. Scroll to Contacts and make a selection.
3. Scroll to Speed dials and make a selection.



4. Scroll to number and Select.
5. Press  Assign.
6. Scroll to desire contact and Select.
7. Scroll to number type and Select.

1.1 Search

Registered entries are arranged in names and search can be done easily by entering name.

Together with the search function, if a certain number is to be used with mobile phone, it should be registered with contacts using Add Name.

- Name search can be done in two ways.
One is pressing   until the desired name is displayed.
- The other is entering the name using keypad.
Entering name is the same as New Message.

Using the menu

Functions supported in Search:

1. Contents of relevant contact can be viewed.
Option > View
2. Stored contacts can be edited.
Option > Edit
3. Primary number of contact can be called.
Option > Call
4. SMS can be sent through mobile 1 of the contact.
Option > Send SMS
5. Entry language can be changed.
Option > Input language
6. Selected contact can be deleted.
Option > Delete
7. Selected contact can be moved to different storing area.
Option > Move
8. A number of selected contacts can be registered with Speed dials.
If there already exists a registered number, the existing one is replaced.
Option > Assign Speed Dial
9. Selected contacts can be moved to a Group.
Option > Add to Group

1.2 Add Name

This allows a new contact to be registered with phone or SIM card.

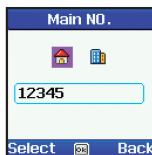
1.2.1 Add Name (Phone)



Select Phone to add a contact to Flash.



Enter the information for Name, Home, Office, Fax, Mobile1, Mobile2, Paper, E-mail and Group.



If more then one numbers are entered, user can select a representative number and save.

The number of contacts you can save is up to 255.

Using the menu

1.2.2 Add Name (SIM)



Select SIM to add a contact to the SIM card.



Enter the information for Name, Mobile and Group.

The number of contacts you can save in the SIM card depends on the capacity of the SIM card.

1.3 Group

Once a Group is set, it is easier to manage people registered with contacts. A Group allows the user to manage a number of contacts, through Group registration, you can set a different Ringing Tone for each Group and send SMS to Group members quite simply.

To set up a Group in contacts, during contacts entry operation, use  in line to move Group to desired Group and save.

Contacts entry can appoint one of the following nine. The basic 9 Groups supplied can be used with different names by user, but these Groups cannot be deleted from the list.



- | | |
|-------------|-------------|
| 1. No Group | 2. Family |
| 3. Friends | 4. Business |
| 5. VIP | 6. other1 |
| 7. other2 | 8. other3 |
| 9. other4 | |

Using the menu

Functions supported in Group:

1. To change of Group name
Option > Edit Group Name
2. Viewing contacts included in Group
Option > Group Member
3. Change of Group Ringing Tone
Option > Group Ringing Tone
4. Sending SMS to Group
Option > Send SMS

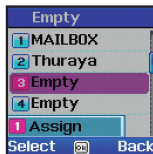
1.4 Speed Dials

In idle screen

1. Press  to  for 2 seconds
The assigned name is displayed, the number is dialed automatically.

Functions supported in Speed dials:

When the number is not registered (possible only for numbers registered in contacts.)



1. Assign
Select > Assign

When the number is registered

1. Change of registered number (number is not directly entered, but select other number registered in contacts).
Option > Edit
2. Deactivate the registered speed dial number.
Option > Delete

Note

- In User Define mode, you can register numbers saved in the Phone's memory or SIM card.

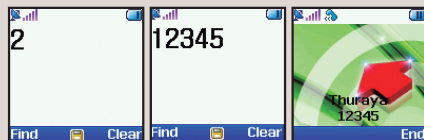
Using the menu

1.5 Short Dialing

If pressing Short Dialing for a while, this will initiate call connection. If this function is set as "ON", the call will be activated. If set as "OFF", the call will not be activated.

Note

- The function that brings a contact stored on the SIM card when inputting Address+# in the idle screen will work normally regardless of the Short dialing function. To activate the call, press 'Call' while the contact is presented.



1. In idle screen press Menu.
2. Scroll to Contacts and select.
3. Scroll to Short dialing and select.
4. Scroll to On/Off and ok.

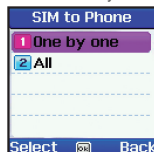
1.6 Copy

SO-2510 manages the phone memory and SIM card contacts separately. This function copies all contacts stored in the phone to SIM card or vice versa.

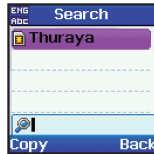
1.6.1 SIM to Phone

Copies contacts in SIM card to phone. The names and numbers of contacts are copied as names and main numbers of Phone contacts.

1.6.1.1 One by one :



Transfer a contact in SIM to Phone.

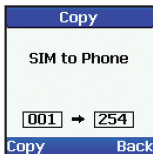


Search a contact and transfer it to another location.

Using the menu

1.6.1.2 All :

Transfer all the contacts in SIM to Phone.



Press Copy in the screen.

- 1.6.2 Phone to SIM

Copies contacts in phone to SIM card.

The names and main numbers in the phone contacts are copied to SIM card and the rest of the numbers are ignored.

The procedures to use Phone to SIM are same as SIM to Phone.

1.7 Delete

Deletes contacts in the phone memory or the SIM card.

- 1.7.1 One by one

Deletes contacts one by one.

- 1.7.2 All

Deletes all contacts in either the phone memory or the SIM card, or in both the phone memory and the SIM card.

- 1.7.2.1 Phone :

Deletes all contacts in phone memory.

- 1.7.2.2 SIM :

Deletes all contacts in SIM card.

- 1.7.2.3 Phone & SIM

Deletes all contacts in both phone memory and SIM card.

1.8 Memory Status

Shows total space used and number of contacts in memory of phone and SIM card.

Up to 255 contacts can be stored in the phone. The number of contacts that can be stored in the SIM card varies depending on the type of SIM card and the service provider.

Memory Status	
	Phone 2/255
	SIM 1/255
Back	

Using the menu

2. Navigation

Current location, direction and direction to destination are displayed to user from the Geographical information which has been received from GPS satellites.

2.1 Current Position

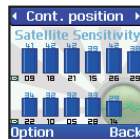
Shows information on current position including longitude, latitude, altitude, UTC (Universally Coordinated Time – formally known as GMT) and Satellite count.

Functions supported in Continuous position are as follows.

1. To save current position in Way points.
Option > Save
2. Compares relative positional relationship between current position and Way points.
Option > Relative position
3. Transmit current position via SMS.
Option > Send via SMS
4. Information on current position is sent to PC, when connected to a PC.
Option > Connect to PC
Connection setting and cable should be connected before selecting Start.

2.2 Cont. Position

Maintaining connection with GPS, it shows latitude, longitude, altitude, UTC, satellite count, speed PDOP (Position Dilution of Precision) and directional information. By using , users can selectively view numerical information and understand the sensitivity status of the current satellite.



Functions supported in Continues position are as follows.

1. To save current position with Way points.
Option > Save
2. Compares positional relationship of current position with Way points.
Option > Relative position
3. Sends current position via SMS.
Option > Send via SMS
4. Connected to PC, sends current position to PC.
Option > Connect to PC
Connection setting and cable should be connected before selecting Start.

Using the menu

2.3 Way Points

It manages all Way points used in SO-2510, both from the phone's GPS receiver and way points received from SMS.

Functions supported in Way points :

1. To view contents of Way points.
Option > View
2. To search Way points. (Only name)
Option > Search
3. To make new Way points. (Maximum count:200)
Option > New
The user can insert the coordinates of a location.
4. To change name of Way points.
Option > Rename
5. To delete selected Way points.
Option > Delete
6. To compare positional information of selected Way points with different Way points.
Option > Relative Position

7. To navigate to selected Way points.
Option > Navigation



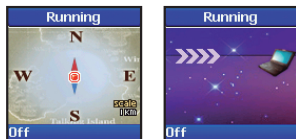
Numerical and directional information can be checked using . The arrowhead points in the direction of the destination.

8. To send existing Way points via SMS.
Option > Send via SMS
9. Connected to PC, sends current position to PC.
Option > Connect to PC
Connection setting and cable should be connected before selecting Start.

Using the menu

2.4 Location Track

The function of Location tracking shows way points in phone or sends them to PC at regular intervals as configured in Tracking Time (2.5.2).



Functions supported in Location tracking :

1. Shows the tracked way points in Phone.
Option > On (Phone)
 - 1.1 Start :
Starts tracking the location of the phone.
 - 1.2 View :
Shows the information of saved tracks. (Up to 10 tracks)
 - 1.3 Delete :
Deletes information of saved tracks.
2. Sends the tracked way points to PC.
Option > On (PC)

2.5 Setting

This menu option configures the Coordinate display format used by GPS and tracking time.

• 2.5.1 Format

It is a format setting for display of positional information received.

- 2.5.1.1 DD.ddddd :
Converts the coordinate information into "DD.ddddd" format.
- 2.5.1.2 DD/MM/SS.ss :
Converts the coordinate information into "DD/MM/SS.ss" format.
- 2.5.1.3 DD/MM/SS :
Converts the coordinate information into "DD/MM/SS" format.
- 2.5.1.4 DD/MM.mm :
Converts the coordinate information into "DD/MM.mm" format.
- 2.5.1.5 MGRS :
Converts the coordinate information into "MGRS" format.
- 2.5.1.6 UTM :
Converts the coordinate information into "UTM" format.

Using the menu

• 2.5.2 Tracking Time

Sets up interval time to track only in the location track (option>phone).

2.5.2.1 1 Second :

Updates way points every 1 second.

2.5.2.2 3 Second :

Updates way points every 3 seconds.

2.5.2.3 10 Second :

Updates way points every 10 seconds.

2.5.2.4 30 Second :

Updates way points every 30 seconds.

2.5.2.5 1 Minute :

Updates way points every 1 minute.

2.5.2.6 3 Minute :

Updates way points every 3 minutes.

2.5.2.7 5 Minute :

Updates way points every 5 minutes.

2.5.2.8 10 Minute :

Updates way points every 10 minutes.

2.5.2.9 15 Minute :

Updates way points every 15 minutes.

2.5.2.10 30 Minute :

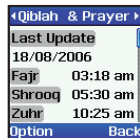
Updates way points every 30 minutes.

2.5.2.11 1 Hour :

Updates way points every 1 hour.

2.6 Qiblah & Prayer

Provides information about the Islamic prayer direction (Qiblah) and prayer timings.



Qiblah & Prayer supports the following sub-functions.

1. Receiving new information related to Qiblah & Prayer.
Option > update time
2. Setting Muslim Faith to receive information related to Qiblah & Prayer.
Option > Muslim Faith
3. Setting alarm related to Qiblah & Prayer
Option > Prayer reminder
4. Getting a new Qiblah position in the current location.
Option > Find Qiblah

Using the menu

3. Call Logs

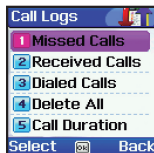
This function shows call records.

Call records are divided into Missed, Received and Dialed.

Each can have 20 call records stored.

The record shows call duration and time of call.

Numbers registered with contacts are shown in names and in each number list name acts the same as number.



3.1 Missed Calls

Shows missed call (not available, refuse to receive) list from the latest in order.

Functions supported in missed calls are as follows.

1. To view selected call record.
Option > View
2. To delete selected call record.
Option > Delete
3. To save selected call number in contacts
Option > Save To Contacts

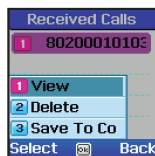
Using the menu

3.2 Received Calls

Shows received call (received, received while on call) list from the latest in order.

Functions supported in received calls:

1. To view selected call record.
Option > View
2. To delete selected call record.
Option > Delete
3. To save selected call number in contacts
Option > Save To Contacts



3.3 Dialed Calls

Shows list of outgoing calls (outgoing, outgoing during a call) the list is displayed in order of most recent first.

Functions supported in dialed calls:

1. To view selected call record.
Option > View
2. To delete selected call record.
Option > Delete
3. To save phone number of selected call in contacts.
Option > Save To Contacts



Using the menu

3.4 Delete All

Deletes all selected call records.

- **3.4.1 Missed Calls**

Deletes all records of unanswered calls (not available, refuse to receive).

- **3.4.2 Received Calls**

Deletes all records of received calls (received, received during a call).

- **3.4.3 Dialed Calls**

Deletes all records of outgoing calls (outgoing, outgoing during a call).

- **3.4.4 All**

Deletes all records of calls.

3.5 Call Duration

Shows call duration for Last call, Received, Dialed and All Calls.

- **3.5.1 Last Call**

Shows the time and duration of last call.

- **3.5.2 Received Calls**

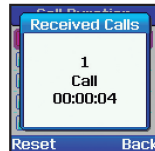
Shows number of received calls and total received call duration.

- **3.5.3 Dialed Calls**

Shows number of outgoing calls and total of outgoing call duration.

- **3.5.4 All Calls**

Shows total number of calls and total call duration.



Using the menu

- **3.5.5 GmPRS Volume**

- 3.5.5.1 Last Session

- Shows the GmPRS volume used during last connection.

- 3.5.5.2 Sent

- Shows the accumulated GmPRS volume sent by the user.

- 3.5.5.3 Received

- Shows the accumulated GmPRS volume received by the user.

- 3.5.5.4 All

- Shows all the accumulated GmPRS volume sent and received by the user.

- **3.5.6 Reset**

- Initializes call history.

- 3.5.6.1 Voice

- 3.5.6.1.1 Dialed Calls

- Initializes dialed call records.

- 3.5.6.1.2 Received Calls

- Initializes received call records.

- 3.5.6.1.3 All

- Initializes all voice call records.

- 3.5.6.2 GmPRS

- 3.5.6.2.1 Sent

- Initializes sent GmPRS volume records.

- 3.5.6.2.2 Received

- Initializes received GmPRS volume records.

- 3.5.6.2.3 All

- Initializes all GmPRS volume records.

- 3.5.6.3 All

- Initializes all voice call and GmPRS volume records.

Using the menu

4. Organizer

Contains applications such as Alarm, Schedule, Calculator and Stopwatch.

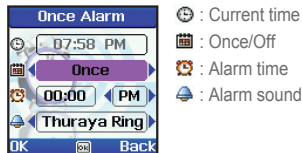
4.1 Alarm

There are 3 different types of alarms available in the phone, Once Only, Morning and Daily.

Alarm will be repeated every 5 minutes for 10 times.

• 4.1.1 Once Alarm

This alarm rings only once and disappears.



moves focus to next setting field and changes the value of field.

To set Alarm :

In Once Alarm

1. Change Off to Once by pressing .
2. Move to alarm time with and enter desired time.
3. Move to alarm sound with and select desired sound by pressing .
4. Press (Select - Ok) to save.

Using the menu

4.1.2 Morning Call

Morning Call is alarm to be set in cycle of Monday to Friday, Saturday to Sunday, Saturday to Wednesday and Thursday to Friday.



- : Current time
- : Mon~Fri/Sat~Sun/Sat~Wed/Thu~Fri/Sun~Thu/Off
- : Alarm time
- : Alarm sound

To set Alarm :

In Morning Call

1. Change Off to desired period by pressing .
2. Move to alarm time with and enter desired time.
3. Move to alarm sound with and select desired sound by pressing .
4. Press (Select - Ok) to save.

4.1.3 Daily Alarm

Daily Alarm is an alarm to ring everyday.



- : Current time
- : Once/Off
- : Alarm time
- : Alarm sound

To set Alarm:

In Daily Alarm

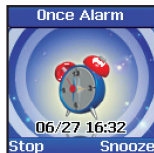
1. Change Off to Daily by pressing .
2. Move to alarm time with and enter the desired time.
3. Move to alarm sound with and select desired sound by pressing .
4. Press (Select - Ok) to save.

Using the menu

To switch off Alarm:

In Daily Alarm

1. Press  (Stop) to change to the idle mode.
The 'Repeat' function is now cancelled.
2. Press  (Snooze) and  (End) keys or wait for 60 seconds to change to the idle mode. The alarm repeat function remains as previously configured.



4.2 Schedule

Schedule is composed monthly, week starts with Sunday.



 : Date with schedule.

 : Date pointed by Focus.

 : Today.

 : Shows registered contents of day with Focus.

Functions supported in schedule are as below.

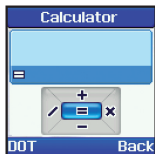
1. To add schedule to selected date.
Option > Add
2. To view schedule on selected date (the same as )
Option > View
3. To delete all registered schedules
Option > Delete All
To delete schedule of specific date, Delete must be used in schedule view.
4. To go to specific date.
Option > Go to Date
Enter  to go back to one month before today and  to go to one month after today. Enter  to go back to 1 year before today,  to go to 1 year after today. To register schedule.

Using the menu

In Schedule

1. Select desired date using  .
2. Execute Schedule view by pressing .
3. In Schedule view, press  to enter contents in text edit mode.
4. When entry is completed, press  to save.

4.3 Calculator



-  : Adds entered value.
-  : Subtracts entered value.
-  : Divides entered value.
-  : Multiplies entered value.
-  : Shows result of calculation.
-  : Enters applicable figure.
-  : Enters decimal point.
-  : Deletes entered figure.

4.4 Stopwatch

The Stopwatch can store up to 20 lap times.

In initial screen,  operates and changes automatically between Start and Stop.



-  : Start/Stop/Continue
-  : Back/Lap/Reset
-  : When there is Lap time, shows previous Lap time.
-  : When there is Lap time, shows next Lap time.

Using the menu

5. Messaging

Using the Messaging menu, you can use various messaging features such as;

- Short text messages
- Voicemails
- Info Messages

For a long message, you can use New Message and input up to 10 pages (67 characters for Arabic and 153 characters for Latin languages per page). To send or store a long message, it will be sent or stored by 67 or 153 characters per page.

Therefore, you can see the messages based on the generated pages in the Inbox or Sent Message. To read, edit, send or delete the long message, you can just select one of the pages and this will process all the pages of the message.

5.1 New Message

The Message composer in SO-2510 supports concatenated SMS (Short Message Service). This feature allows the sending and receiving of text messages (SMS) longer than usual 70 letters (Arabic Group languages) or 160 (Latin Group languages) characters limit. Long messages can be composed as one and are automatically split up into smaller messages to send over the network. Messages sent in this way can be displayed as one message with terminals supporting concatenated message but some other terminals will display the message as several messages. Process of composing text message is the same as that explained in New Message.

Send (Option > Send)

When selecting Send option menu, the entered messages will be automatically stored in Outbox and sent. When all the messages are sent successfully, the messages in Outbox will be shifted to Sent Message. The messages that failed transmission will remain in the Outbox.

Add Recipient (Option > Add Recipients)

Enter the number of Message recipient and the number can be entered directly using Keypad or search from the contacts and enter by pressing . Up to 20 recipients can be entered and when completed press  to finish number entry.

Using the menu

Save (Option > Save)

Save the draft message in the draft folder.

Delivery Report (Option > Delivery Report)

The Network will respond if the message is delivered.

Format (Option > Format)

You can select message format either Text, Fax, E-mail or ERMES. In general, message transmission between mobile phones is in text format. (see page 56)

Validity (Option > Validity)

Validity is to decide how long SMS server is to keep message. Choose one among Maximum, 1 Hour, 6 Hours, 1 Day, 3 Days and 1 Week. (see page 56)

Request Reply (Option > Request Reply)

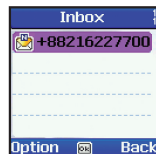
If you send a message while Request Reply is ON, you can receive an auto reply message showing 'Read' when the recipient checks your message.

5.2 Inbox

Arrival of text message and voice message can be viewed in the Inbox. Inbox can store up to 150 messages in the phone. As for the SIM card, around 150 + SIM storage space can be stored although the number of messages to be stored may differ depending on the type of the SIM card. Inbox displays the message list from latest ones first. To make the searching of messages easier the first part of message is displayed. New Text or voicemail messages are shown in the indicator line by  icon and  icon respectively. A Ringing Tone for Message arrival sounds.  indicates arrival of new Text message and once all Text messages are viewed the indicator disappears. The  icon indicates arrival of new voicemail message. To hear the messages, go to Voice mailbox. (Speed dial 1)

The following icons are displayed in front of message for you to check message status: If both Phone storage and SIM storage are full with Inbox messages,  will appear on idle screen.

If Inbox is full, you have to delete the messages stored in SIM or Phone to receive incoming messages.



-  : Unread SMS in SIM
-  : Read SMS in SIM
-  : Unread SMS in Phone
-  : Read SMS in Phone

Contents of Message can be viewed by pressing .

Using the menu

Functions supported in Inbox are as below.

1. To view contents of Message (same as pressing)

Option > Select

Reply, Forward, Save Number, Copy, Copy to Templates, Delete can be performed in Message viewer.

2. To reply to Message sender

Option > Reply

Once Reply is performed, sender's number is automatically registered in receiver's number and the message can be composed.

3. To send text message to another person.

Option > Forward

The current message can be edited and forwarded to a new destination. With the Forward function, the contents of message can be edited on screen. If not required, select Option > Add Recipients and enter another phone number and select Option > Send.

4. To save sender's phone number

Option > Save Number

Detail of how to save phone numbers can be viewed in 1.2 Add Name.

5. To copy message to another storage

Option > Copy

If the message is stored in the SIM card, it will be copied to Phone's memory.

If it is stored in Phone's memory, it will be copied to the SIM card.

6. To send received message to Templates

Option > Copy to Templates

The current message is stored as a Template.

If received message is to be quoted, it would be convenient to register it in Templates. Message is not deleted even after it is registered in Templates. If a message is longer than 70 letters (for Arabic Group languages) or 160 letters (for Latin Group languages), only 70 or 160 letters will be saved respectively as a template.

7. To delete selected message

Option > Delete

Deleting all received messages can be done by Delete All > Inbox (5.10.1).

Voicemail Message

A message that indicates the arrival of a new voicemail in Voice mailbox.

Connect to voice server :

To access Voice mailbox, 7.Settings > 2.Call > 1.Voice Mail and enter the voice mailbox number. Either press #1 in the idle screen for a while or press Send key in Voicemail message to access Voice mailbox.

Voice mailbox number :

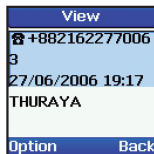
Allows you to change the voice mailbox number, if necessary.

Using the menu

Message viewer

Whole of received message can be read in Message viewer.

For received text message, time received, sender's number and contents of message are displayed. If sender's number is registered with Contacts, name instead of number is displayed.



5.3 Draft

When a text message during composition is saved, it is saved in Draft folder. Up to 100 + SIM storage space are available.

Functions supported in Draft.

1. To view contents of Message (same as pressing )
Option > Select
Edit, Send, Copy, Copy to Templates, Delete can be performed in Message viewer.
2. To write of new message
Option > New
A new message can be written in the Draft folder.
3. To edit contents of Message
Option > Edit
4. To send selected message
Option > Send
5. To copy message to another storage
Option > Copy
If the message is stored in the SIM card, it will be copied to Phone's memory. If it is stored in Phone's memory, it will be copied to the SIM card.
6. To send selected message to Templates
Option > Copy to Templates
The current message is stored as a Template.

Using the menu

7. To delete selected message

Option > Delete

To delete all messages in Draft can be done by Delete all > Draft (5.10.2).

5.4 Sent Messages

Among messages in the Outbox/Draft folder, successfully transmitted messages are automatically saved.

Up to 150 messages + SIM storage space can be stored in Sent Messages.

Functions supported in Sent message are as below.

1. To view contents of selected message (same as pressing )

Option > Select

2. To edit contents of selected message

Option > Edit

3. To send selected message

Option > Send

4. To copy message to another storage

Option > Copy

If the message is stored in the SIM card, it will be copied to Phone's memory. If it is stored in Phone's memory, it will be copied to the SIM card.

5. To send selected message to Templates

Option > Copy to Templates

The current message is stored as a Template.

6. To delete selected message

Option > Delete

To delete whole Sent Messages can be done by Delete All > Sent Messages (5.10.3)

Using the menu

5.5 Outbox

When selecting Send in New Message menu, the entered messages will be automatically stored in Outbox and sent. When all the messages are sent successfully, the messages in Outbox will be shifted to Sent Message. With the Outbox Auto Resend function, SO-2510 automatically sends messages stored in Outbox.

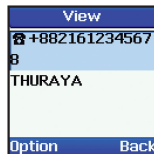
Up to 50 messages can be stored in Outbox and Outbox uses Phone storage only.

Functions supported in outbox.

1. To view contents of Message (same as pressing )
Option > Select
Edit, Send and Delete can be performed in Message viewer.
2. To edit contents of Message
Option > Edit
The message can be edited, using the method described in New Message. (see page 23)
3. To send messages of failed transmission
Option > Send
4. To delete selected message
Option > Delete
To delete all messages in Outbox can be done by Delete All > Outbox (5.10.4)

Message viewer

Messages of failed transmission can be read in Message viewer.



Using the menu

5.6 Templates

Frequently used phrases can be registered.

SO-2510 provides 15 default templates.

You can use up to 25 templates including default templates.

Functions supported in Templates are as below.

1. To view contents of Template. (same as pressing )
Option > Select
2. To add of new Template
Option > Add
3. To send after edit selected template
Option > Insert
Enter the selected template into the editor in New write a new message by using the template.
4. To save after edit selected template
Option > Edit
Edit the selected template.
5. To send a SMS with selected Template
Option > Send
6. To delete selected template
Option > Delete
To delete whole templates can be done by
Delete All > Template (5.10.5)

5.7 Settings

• 5.7.1 Service Centre

To send messages the user must enter the Service Centre number provided by the service provider.

You can save up to 5 Service Centre numbers, but you can select only one among these numbers.

Select 5.Messaging > 7.Settings > 1.Service Centre >  and then enter and save the number provided by the service provider. To set a Service Centre number, enter a contact number and then press .

• 5.7.2 Format

To configure the message format either Text, Fax, E-mail or ERMES.

5.7.2.1 Text :

Format for transmitting message in text.

5.7.2.2 Fax :

Format for transmitting message in fax.

Using the menu

5.7.2.3 E-mail :

Format for transmitting message in E-mail.

5.7.2.4 ERMES :

A messaging system used in Europe.

• 5.7.3 Delivery Report

Request network to report if messages are delivered.

5.7.3.1 On :

Request message delivery report.

5.7.3.2 Off :

Do not request message delivery.

• 5.7.4 Validity

If message receiver's phone is switched off or in area out of network service, message sent by you is stored at SMS server and retransmitted when receiver can receive transmission.

5.7.4.1 Maximum :

Stored at SMS center for maximum period.

5.7.4.2 1 Hour :

Stored at SMS center for one hour.

5.7.4.3 6 Hours :

Stored at SMS center for 6 hours.

5.7.4.4 1 Day :

Stored at SMS center for one day.

5.7.4.5 3 Days

Stored at SMS center for three days.

5.7.4.6 1 Week

Stored at SMS center for one week.

• 5.7.5 Request Reply

It requests the receiver to let the sender know if he/she reads the message.

5.7.5.1 On :

Request reply when sending message.

5.7.5.2 Off :

Not to request reply when sending message.

• 5.7.6 Bearer Selection

SO-2510 supports two transmission modes. Select one of the two modes.

5.7.6.1 SMS Server

Uses a general SMS transmission network when sending/receiving SMS messages.

5.7.6.2 GmPRS Server

Uses a network supporting large-scale SMS transmission when sending/receiving SMS messages.

Using the menu

5.8 Info Message

Info Message is a network service. It offers wide topics such as weather, traffic, news flash etc. in text message form. You can choose specific topics you want, can check received info message in inbox of Info Message menu. However, Info Message Inbox can only store 50 Info messages.

To receive Info Message

In Info Message menu :

1. Select 1. Status and set as ON.
2. Select 4. Topic, enter channel ID and title respectively and then select Save.
3. Select 'Mark' in Option menu of Topic list and save the topic ID in SIM.
4. Select 3. Set Languages to receive Info Messages.

• 5.8.1 Status

It is to set whether to receive Info Message or not.

- 5.8.1.1 On : Set to receive Info Message .
- 5.8.1.2 Off : Set not to receive Info Message .

• 5.8.2 Inbox

Received Info Message can be viewed and up to 50 messages. can be saved.

Functions supported in Inbox are as below.

• 5.8.3 Language

This is to select a language of Info Message; up to 10 languages can be selected.

You can select and save a language by using 'Soft1 key()'.

• 5.8.4 Topics

This is to set topics of the Info Message that a user wants to receive. Choose Topics on the Info Message menu.

Enter Channel ID (topic category identifier) and press .

Enter a topic title and press . Both the Channel ID and the topic title are saved. Up to five topics can be saved.

Using the menu

5.9 Memory Status

Shows memory in use out of total allocated memory in phone memory and SIM card for storing messages.

The number of messages allocated for storage in phone is 500 and for SIM card, it varies depending on SIM.

5.10 Delete All

Deletes all messages in selected area.

- **5.10.1 Inbox**

Deletes all messages in Inbox folder.
Voicemails in voice mailbox center are not deleted.

- **5.10.2 Draft**

Deletes all messages stored in Draft folder.

- **5.10.3 Sent Messages**

Deletes all messages in Sent Messages folder.

- **5.10.4 Outbox**

Deletes all messages in Outbox folder.

- **5.10.5 Template**

Deletes all messages in Templates.

- **5.10.6 Phone**

Deletes all messages stored in phone.

- **5.10.7 SIM**

Deletes all messages stored in SIM card.

- **5.10.8 All**

Deletes all messages stored in phone and SIM card.

Using the menu

6. Sound Setting

Configures all the sounds used in SO-2510.

6.1 Ringing Tone

These are the ringing tones that are played or activated when an incoming call is received. The sound is over-ridden if the ringing tone has been changed in a contact record (see page 60).

- 6.1.1 Thuraya Ring
- 6.1.2 Thuraya Theme
- 6.1.3 Beethoven
- 6.1.4 Buzzer
- 6.1.5 Celaeno
- 6.1.6 Chopin
- 6.1.7 Crusing
- 6.1.8 Maia
- 6.1.9 Nutcracker
- 6.1.10 Siren
- 6.1.11 Tinkerbell
- 6.1.12 Vivaldi
- 6.1.13 Concerto
- 6.1.14 Konigin
- 6.1.15 La donna
- 6.1.16 Libiamo
- 6.1.17 Munite G major

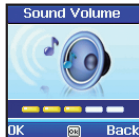
- 6.1.18 Mozart
- 6.1.19 Enmity
- 6.1.20 Free
- 6.1.21 Happiness
- 6.1.22 Resolution
- 6.1.23 Techno
- 6.1.24 Wilderness
- 6.1.25 Bell 01
- 6.1.26 Bell 02
- 6.1.27 Bell 03
- 6.1.28 Bell 04
- 6.1.29 Bell 05
- 6.1.30 Bell 06



Using the menu

6.2 Sound Volume

Volume of ringtone can be adjusted in 5 steps with .



6.3 Incoming Call Alert

Type of ringtone can be changed.

- **6.3.1 Ringing**

Sounds the same as ordinary ringing.

- **6.3.2 Ascending**

Ringtone becomes gradually louder.

- **6.3.3 Ring Once**

Ringtone rings only once.

- **6.3.4 Beep Once**

Beeptone rings only once.

- **6.3.5 Off**

Ringtone is silenced.



6.4 Keypad Tone

Sets up keypad touch sound.

- **6.4.1 DTMF Tone**

Plays electronic sound when keypad is pressed.

- **6.4.2 TREE Tone**

Plays sound of tree when keypad is pressed.

- **6.4.3 Off**

No sound is played when keypad is pressed.



6.5 Keypad Tone Volume

Adjusts the volume of keypad tone in 5 steps with .



Using the menu

7. Settings

Basic settings for use of SO-2510 are arranged.

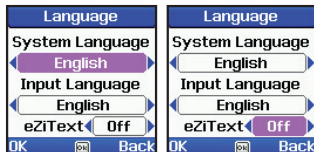
7.1 Language

With SO-2510 there are settings for System Language (language used in menu expression) and Input Language (language used in text composition).

eZiText setting is included in Language setting.

Note

- Setting of language used in Info Message is separate from setting described here.

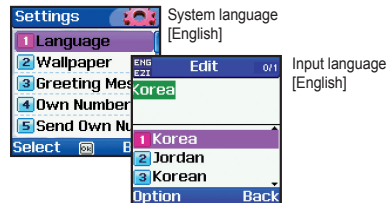


To change Language

In Language

1. Change System Language (English) to desired language by pressing .
2. Move to Input Language with and change to desired language with .
3. Move to eZiText with and change Off to On with .
4. Press to save.

After the above process, screen change is as follows.



Using the menu

7.2 Call

You can set the basic menus of the Call function.

• 7.2.1 Voice Mail

Sets a voice mail number that has not been set.

• 7.2.2 Answer Method

Defines action to be taken by user when there is an incoming call.

7.2.2.1 Auto Answer

Answers automatically after set period of time.

7.2.2.1.1 5 Seconds :

Answers automatically after 5 seconds.

7.2.2.1.2 10 Seconds :

Answers automatically after 10 Seconds.

7.2.2.1.3 Off :

Does not answer phone automatically.

7.2.2.2 Any Key

Answer phone by pressing any key.

7.2.2.2.1 On :

Answer phone by pressing any key.

7.2.2.2.2 Off :

Answer phone only by pressing  key.

• 7.2.3 DTMF Tone

Uses functions during ARS calls. If this function is switched off, there could be restrictions when connected to phones internally connected with ARS.

7.2.3.1 On

Sends DTMF tone.

7.2.3.2 Off

Does not send DTMF tone.

Using the menu

• 7.2.4 Call Waiting

If your service provider supports this feature, you can answer a call while you are on the phone with another person. Answering the new call (Call Waiting) will put the first call on hold until you switch back to the call again.

7.2.4.1 Activate

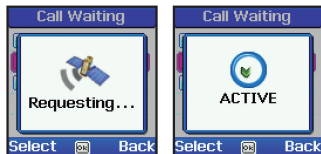
Activates call waiting when in a call.

7.2.4.2 Status

Checks setting from Network.

7.2.4.3 Deactivate

Deactivates waiting while on call.



• 7.2.5 Call Divert

This function diverts incoming voice calls, data calls and fax calls to a specific number.

7.2.5.1 Voice

Sets divert of voice calls.

7.2.5.1.1 All Voice :

This function diverts all voice calls to a specific number.

7.2.5.1.1.1 Activate :

Activates diversion of incoming calls.

7.2.5.1.1.1.1 Voicemail :

This function allows the user to set a voicemail number that has not already been set.

7.2.5.1.1.1.2 Number :

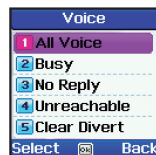
This function is to enter the number that incoming calls are to be diverted to.

7.2.5.1.1.2 Status :

Checks setting from the network.

7.2.5.1.1.3 Deactivate :

Deactivates diversion of incoming calls.



Using the menu

7.2.5.1.2 Busy :

It diverts incoming calls while on call.

7.2.5.1.2.1 Activate :

Activates diversion of incoming calls.

7.2.5.1.2.1.1 Voicemail :

This function allows the user to set a voicemail number that has not already been set.

7.2.5.1.2.1.2 Number :

This function is to enter the number that incoming calls are to be diverted to.

7.2.5.1.2.2 Status :

Checks setting from the network.

7.2.5.1.2.3 Deactivate :

Deactivates diversion of incoming calls.

7.2.5.1.3 No Reply :

It diverts incoming calls when there is no reply.

7.2.5.1.3.0 5 second, 15 second, 30 second :

It sets time until incoming calls are diverted.

7.2.5.1.3.1 Activate :

Activates diversion of incoming calls.

7.2.5.1.3.1.1 Voicemail :

This function allows the user to set a voicemail number that

7.2.5.1.3.1.2 Number :

This function is to enter the number that incoming calls are to be diverted to.

7.2.5.1.3.2 Status :

Checks setting from the network.

7.2.5.1.3.3 Deactivate :

Deactivates diversion of incoming calls.

7.2.5.1.4 Unreachable :

It diverts incoming calls when call credit is not enough.

7.2.5.1.4.1 Activate :

Activates diversion of incoming calls.

7.2.5.1.4.1.1 Voicemail :

This function allows the user to set a voicemail number that has not already been set.

7.2.5.1.4.1.2 Number :

This function is to enter the number that incoming calls are to be diverted to.

7.2.5.1.4.2 Status :

Checks setting from the network.

7.2.5.1.4.3 Deactivate :

Deactivates diversion of incoming calls.

7.2.5.1.5 Clear Divert :

Deactivates all divert functions for incoming calls.

Using the menu

7.2.5.2 All Fax

It diverts all incoming fax calls.

7.2.5.2.1 Activate :

Activates diversion of incoming fax calls.

7.2.5.2.2 Status :

Checks setting of the network.

7.2.5.2.3 Deactivate :

Deactivates diversion of incoming fax calls.

7.2.5.3 All Data

Diverts all incoming data.

7.2.5.3.1 Activate :

Activates diversion of incoming data.

7.2.5.3.2 Status :

Checks setting of the network.

7.2.5.3.3 Deactivate :

Deactivates diversion of incoming data.

7.2.5.4 Clear All Divert

Clears all divert functions.

• 7.2.6 Send Own Number

Setting that allows you to show your number (or not) to the receiver when making a call. Please note that the selections maybe over-ridden by the service provider.

7.2.6.1 Preset

Shows the information regarding Calling line identification presentation.

7.2.6.2 Off

Does not show your number to the receiver when calling.

7.2.6.3 On

Shows your number to the receiver when calling.

• 7.2.7 Auto Redial

When call is not connected (Busy, Low signal, No network), tries to reconnect automatically.

7.2.7.1 On

Activates Auto Redial.

7.2.7.2 Off

Deactivates Auto Redial.

Using the menu

7.2.8 Cost

This manages the cost of calls.

Actual cost could be different from that calculated based on settings here.

Note

- It is a function supported by SIM card.
Some SIM cards do not have this function.
- To turn off the Cost function, set the value as "0".

7.2.8.1 Charge Rate

Sets up charge rate for calls.

PIN2 code needs to be entered for this.

Some SIM cards may have restrictions on this function.

To change Units

- Select Charge by pressing .
- Enter PIN2 code and press  to confirm PIN2.
- If activating Units, the currency will be set as units.
- Press  to save.

To change Currency

- Select Charge by pressing .
- Enter PIN2 code and press  to confirm PIN2.
- Select a currency instead of units and set the currency rate.
(Use English for currency and numbers for currency rate)
- Press  to save.

7.2.8.2 Cost Limit

Limits the cost of a call and requires PIN2.

Some SIM cards do not support this function.

To set up Cost Limit

- Execute Charge by pressing .
- Enter PIN2 code and press  to confirm PIN2.
- Enter cost limit in a form of unit. If set as Currency, this will show the status that the currency is applied.
(Use numbers only for Coast Limit)
- Press  to save.

7.2.8.3 Cost Displayed

Displays the cost of a call in call summary when the call is finished.

7.2.8.3.1 On : Cost is displayed in call summary.

7.2.8.3.2 Off : Cost is not displayed in call summary.

Using the menu

7.3 Wallpaper

This function changes the background of idle screen. Background consists of 1 animation picture and 4 still pictures and different wallpaper setting is done by pressing .

7.4 Greeting Message

A message displayed on screen at time of booting and entered in the same way as New Message.

7.5 Own Number

Own Number function is used to register the numbers to receive voice, fax, data on the SIM card.

- **7.5.1 Voice**

Sets up a number to receive voice calls.

- **7.5.2 Fax**

Sets up a number to receive fax.

- **7.5.3 Data**

Sets up a number to receive data.

7.6 Data Connection

The data port can be used for GPS data and for software upgrades. The port can be configured to be a USB port or a serial port. The speed of the serial port can be configured from this menu option.

- **7.6.1 Data Port**

Selects port for data transmission.

- 7.6.1.1 UART :

- Sends data to UART.

- 7.6.1.2 USB :

- Sends data to USB.

- **7.6.2 Data Link Rate**

Selects data transmission speed, for Serial (UART) only.

- 7.6.2.1 Automatic :

- Sets data transmission speed automatically.

- 7.6.2.2 300 Baud :

- Sets data transmission speed to 300 Baud.

- 7.6.2.3 1200 Baud :

- Sets data transmission speed to 1200 Baud.

- 7.6.2.4 2400 Baud :

- Sets data transmission speed to 2400 Baud.

- 7.6.2.5 4800 Baud :

- Sets data transmission speed to 4800 Baud.

- 7.6.2.6 9600 Baud :

- Sets data transmission speed to 9600 Baud.

- 7.6.2.7 19200 Baud :

- Sets data transmission speed to 19200 Baud.

Using the menu

7.6.2.8 38400 Baud :

Sets data transmission speed to 38400 Baud.

7.6.2.9 57600 Baud :

Sets data transmission speed to 57600 Baud.

7.6.2.10 115200 Baud :

Sets data transmission speed to 115200 Baud.

7.7 Setup Wizard

When the phone is first switched on, the setup wizard configures the Time/Date, Language, Select area and copies the contacts stored in the SIM card to the phone memory.



Set Time and Date.



Set the location for Auto Update.



Set a language used in System, Input and .



Copy contacts in SIM to Phone.

Setting of Select Area

Auto Update of time using GPS:

The SO-2510 provides an automatic function to update the time using GPS; to enable this feature it is necessary to configure the Local Area first, through the Setup Wizard.

SIM card Contacts copy to phone memory

Copies contacts in the SIM card to phone memory.

Using the menu

7.8 Backlight

The backlight in the SO-2510 can be configured to be always on, OFF or ON for 15 or 30 seconds. The battery performance will be increased if the backlight is on for shorter time.

- **7.8.1 Always off**

Backlight switched OFF always.

- **7.8.2 15 Seconds**

Backlight is switched OFF 15 seconds after last key entry.

- **7.8.3 30 Seconds**

Backlight is switched OFF 30 seconds after last key entry.

- **7.8.4 Always on**

Backlight is always ON regardless of key entry.

7.9 LCD Contrast (A function to adjust brightness of backlight)

Backlight of LCD can be set up in 12 steps. (If setting Backlight is configured as Always Off, the entered values will not be applied.)

7.10 Time/Date

Current time and date can be directly entered or set up automatically using GPS.

- **7.10.1 Set Time/Date**

To enter time directly.



Enter month/date/year using keypad.

For January, enter 01.

Any mistakes during entry can be corrected by moving cursor using  to the mistake.

On completion of entry, press  to save.

If Time Format is set as 12H, set the time as Am/Pm.

(If Auto Update is set as ON, you cannot set the value.)

Data Format 1 : DD/MM/YYYY

Data Format 2 : MM/DD/YYYY

Data Format 3 : YYYY/DD/MM

Data Format 4 : YYYY/MM/DD

Date, month and year can be displayed based on the above formats.

Using the menu

• 7.10.2 Auto Update

Setting of Select Area

To enter local time using GPS, set your phone to show current time automatically from GMT time from GPS together with time difference of the local area. Sometimes incorrect time could be displayed for areas in different capital cities even if they are located in the same geographical coordinates. Set the area where SO-2510 will be used to prevent this kind of problem.

7.10.2.1 On :

To automatically update the time

1. Select the Time Zone closer to the current location of the user.
Alternatively, enter the name of the location to find the Time Zone.
2. Press  to operate update.
Make sure you are at a place where SO-2510 can receive information from the GPS satellite.
3. Receive the UTC Time from GPS to update the selected time on the Time Zone.

7.10.2.2 Off :

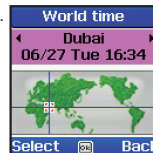
If Auto Update is set as OFF, you can set the value directly.

• 7.10.3 World Time

World Time can be searched and confirmed.

Time of other cities can be confirmed by using .

1. If selecting a city with  (select), the world time will change based on the selected city. (Default: Dubai.)



Note

- World time is calculated based on local time.
Therefore incorrect local time will result in incorrect World time.

• 7.10.4 Time Format

This displays the time on your mobile phone either in 24 hour or 12 hour format.

7.10.4.1 24 Hours :

Time is displayed in 24 hour format.

7.10.4.2 12 Hours :

Time is displayed in 12 hour format.

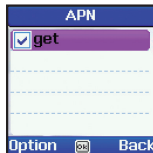
Using the menu

7.11 GmPRS

You can change the set value regarding GmPRS.

• 7.11.1 APN

You can modify or add an Access Point Name. To check the basic setting value of APN, contact your network service provider. Enter the default value and then select it. Once you select the value as default, you cannot delete it but can change it. This screen shows an example when a user enters an APN as get and then select it as basic setting.



7.11.1.1 Select
Sets the desirable APN.

7.11.1.2 Insert
Add a new APN.
Use SELECT to set the added APN.

7.11.1.3 Edit
Modifies APN names.
Use SELECT to set the modified APN name.

7.11.1.4 Delete
Deletes the APN.
Once the value is selected as default by user, it cannot be deleted.

• 7.11.2 Auto Reject

When there is an incoming circuit call while connecting GmPRS, the circuit call will be rejected automatically becoming a missed call.

7.11.2.1 On
Activates Auto Reject.

7.11.2.2 Off
Deactivates Auto Reject.

Using the menu

8. Network

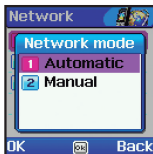
In order to make calls or send SMS using SO-2510, it should be connected to SAT.

This connection can be set up here.

8.1 Network Mode

Connects the phone to a network.

If set as Automatic, the phone will be connected to one of the networks in the Preferred List (SIM Card) according to the set priority.



• 8.1.1 Automatic

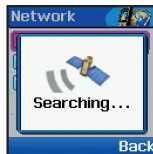
If set as Automatic, the phone will be connected to one of the networks in the Preferred List (SIM Card) according to the set priority.

• 8.1.2 Manual

If set as Manual, the phone will show a list of available networks by searching all the networks available.

If the user selects a network, the phone will attempt to be connected to the network.

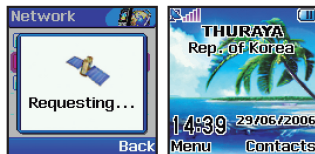
If connected and the user makes calls or sends messages via a network different from the service provider of the SIM card, this will be considered as roaming and the phone fee may be more expensive than the usual fee.



Using the menu

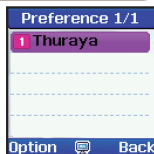
8.2 SAT Registration

You may find that you are no longer able to receive SAT calls if your SAT registration is out of date. This is indicated by the SAT icon blinking or if the displayed service area appears to be incorrect. In this case you have to update SAT registration manually to correct this mismatch.



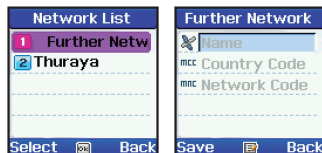
8.3 Preference

Displays the Preferred list registered in SIM card. You can use option key to add/delete a network list. Use the View function to see the network code. When network mode is set on automatic, connection is made with an available network in order of this list.



8.3.1 Preference > Option > Insert

1. Press Option > Insert to add a network list. To add, press 1.



Enter the network list name in the Name section.
Enter a 3 digit code for MCC and 2 digit code for MNC.

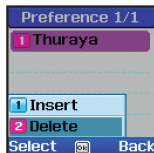
2. To add the existing network list, press an item below 1.



Using the menu

- 8.3.2 Preference > Option > Delete

1. Select a network list and then press Option > Delete to delete the list.



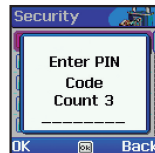
9. Security

This function organizes settings to prevent unwanted disclosure of your personal information and protects basic contents of your phone calls.

9.1 PIN Code

Configures the Entering of a PIN (Personal Identification Number) at start up.

The PIN Code can help protect the phone from miss use and protect personal data. It is made up of 4~8 digits and entering wrong PIN Code 3 times, bars access to SIM card and PUK code must be entered to re-access SIM card.

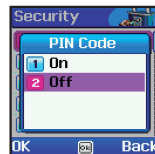


- 9.1.1 On

Asks for the PIN Code at start up.
PIN Code is necessary.

- 9.1.2 Off

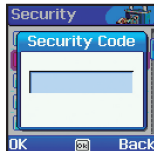
Does not ask for the PIN Code at start up.
PIN Code is necessary.



Using the menu

9.2 Security Code

This code locks the functions of the phone apart from PIN Code. When power is switched OFF and ON again, Security Code is demanded and even if PIN Code has been entered, use of phone will be restricted.



Note

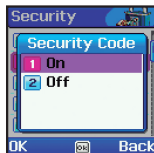
- Factory setting of Security Code is "0000".

• 9.2.1 On

Activates Security Code and restricts the use of phone.

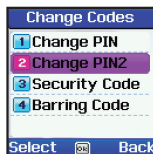
• 9.2.2 Off

Deactivates Security Code and the use of phone is not restricted.



9.3 Change Codes

This function can change all codes used with mobile phone. To change a code, existing code should be known.



• 9.3.1 Change PIN

PIN is a code stored in SIM card to protect user information. PIN can be changed only when PIN Code is ON.

Change Code :

1. Enter existing PIN Code and press  to confirm.
2. Enter new PIN Code and press  to confirm.
3. Enter new PIN Code again and press  to confirm.
The PIN Code has been updated.

Using the menu

- **9.3.2 Change PIN2**

PIN2 is a code to protect all settings and contents related to the network.

Change Code :

1. Enter existing PIN2 Code and press  to confirm.
2. Enter new PIN2 Code and press  to confirm.
3. Enter new PIN2 Code again and press  to confirm.

The PIN2 Code has been updated.

- **9.3.3 Security Code**

Security Code is a code to protect user information stored in mobile phone.

Change Code :

1. Enter existing Security Code and press  to confirm.
2. Enter new Security Code and press  to confirm.
3. Enter new Security Code again and press  to confirm.

The Security Code has been updated.

- **9.3.4 Barring Code**

Barring Code is a code used in call barring and stored with the network. Check with the network operator for the Barring Code.

Change Code :

1. Enter existing Barring Code and press  to confirm.
2. Enter new barring code and press  to confirm.
3. Enter new barring code again and press  to confirm.

The barring code has been updated.

Using the menu

9.4 Fixed Dialing

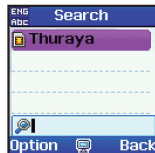
Fixed Dialing is a function where only the registered numbers can be called. When fixed dialing is set up, numbers other than those registered in fixed dialing list and emergency number cannot be called. To use this function, PIN2 is required.



• 9.4.1 Show List

Shows the numbers registered in fixed dial.

If registered in contacts, name is displayed instead of number.



Functions supported by Show List are as follows.

- Shows registered numbers.
Option > View
- Registered numbers can be edited.
Option > Edit
- Calls registered number.
Option > Call
- Sends SMS to registered number.
Option > Send SMS
- Input language (Up to 10 languages can be saved.)
You can change Input languages.
Option > Input Language
- Deletes registered number.
Option > Delete

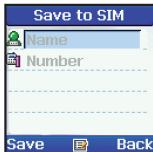
Using the menu

9.4.2 Add New

Adds new registered number in fixed dialing.

To register in fixed dialing

1. Enter PIN2 and confirm by pressing .
2. Enter the name or phone number.
3. Save by pressing .



9.4.3 On/Off

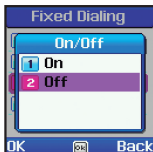
It is used to activate/deactivate Fixed Dialing.

9.4.3.1 On :

Activates Fixed Dialing.
PIN2 must be entered.

9.4.3.2 Off :

Deactivates Fixed Dialing.
PIN2 must be entered.



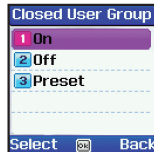
9.4.4 Fixed Dialing Status

Shows the status of Fixed Dialing whether to be activated/deactivated.



9.5 Closed User Group

Closed User Group is a function to form a Group and within the Group lateral calls are restricted and only vertical calls are allowed. For CUG, a separately produced SIM card is supplied in agreement with service provider.



9.5.1 On

Activates CUG.

Own Index number should be known to activate CUG.

9.5.2 Off

Deactivates CUG.

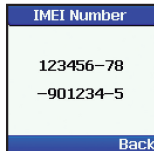
9.5.3 Preset

Users can set a default CUG based on the service provider and also select whether to use this default CUG in the phone.

Using the menu

9.6 IMEI Number

All mobile phones have a unique IMEI number.
IMEI number can be checked here.



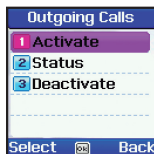
9.7 Call Barring

This function restricts calls to outgoing and incoming calls. It is saved at the network and to set up each call restriction, the Barring Code is required.

• 9.7.1 Outgoing Calls

This function is used to restrict international outgoing calls.

- 9.7.1.1 Activate :
Activates outgoing call restriction.
- 9.7.1.2 Status :
Checks setting from the network.
- 9.7.1.3 Deactivate :
Deactivates outgoing call restriction.



• 9.7.2 Int. Calls

This function is used to restrict international outgoing calls.

- 9.7.2.1 Activate :
Activates international outgoing call restriction.
- 9.7.2.2 Status :
Checks setting from the network.
- 9.7.2.3 Deactivate :
Deactivates international outgoing call restriction.

• 9.7.3 Int. Exc. to Home

This function restricts international calls except to home.

- 9.7.3.1 Activate :
Activates international call restriction except to home.
- 9.7.3.2 Status :
Checks setting from the network.
- 9.7.3.3 Deactivate :
Deactivates international call restriction except to home.

• 9.7.4 Incoming Calls

This function restricts all incoming calls.

- 9.7.4.1 Activate :
Activates all incoming call restrictions.

Using the menu

9.7.4.2 Status :

Checks setting from the network.

9.7.4.3 Deactivate :

Deactivates all incoming call restrictions.

• 9.7.5 Incoming Calls When Abroad

This function restricts incoming calls from external networks.

9.7.5.1 Activate :

Activates incoming call restrictions from external networks.

9.7.5.2 Status :

Checks setting from the network.

9.7.5.3 Deactivate:

Deactivates incoming call restrictions from external networks.

• 9.7.6 Clear Barring

Clears call restriction functions.

9.7.6.1 All :

Clears all restrictions.

9.7.6.2 Outgoing :

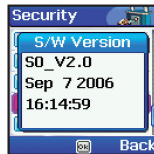
Clears only restriction on outgoing calls.

9.7.6.3 Incoming

Clears only restriction on incoming calls.

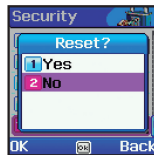
9.8 Software Version

You can see the current software version.



9.9 Reset Factory Settings

Resets phone to factory settings.



• 9.9.1 Yes

Executes resetting.

• 9.9.2 No

Cancels resetting.



SO-2510.....

www.thuraya.com

Troubleshooting		PIN & PUK	
Troubleshooting	84	PIN & PUK	94
Quick access codes		PIN2 & PUK2	
Quick access codes	85	PIN2 & PUK2	94
Access Codes		Barring Code	
Access Codes	94	Barring Code	94
Security Code			
Security Code	94		

Additional

Troubleshooting

1. When phone cannot be switched ON

- Check whether battery is discharged.
- Check whether battery is properly attached.
- If power cannot be switched ON even with travel charger connected, contact A/S center.

2. When message Insert SIM appears

- Insert SIM card.
- Insert SIM card correctly.
- Is the SIM card valid? SIM card itself can be annulled when wrong PUK code is entered.
- Check whether SIM card contact part is clean and free of any foreign matter.

3. When security code is lost

- The initial security code is on page 76.
- When security code already set up is lost, go to A/S center with warranty card.

4. To send GPS data to PC

- Is data cable properly connected?
- Which was chosen for data port setting? For detail instructions, refer to page 68.
- Is data baud setting compatible with PC?

5. When keypad is different from the language used

- SO-2510 supports 12 languages. Ask service provider to supply appropriate language keypad.

6. When mobile phone has been dropped in water

- Separate battery and after drying take it to A/S center.

Additional

Quick access codes

1. Contacts

1.1 Search

1.2 Add Name

1.3 Group

1.4 Speed Dials

1.5 Short Dialing

1.6 Copy

1.7 Delete

1.8 Memory Status

► 1.6 Copy

1.6.1 SIM to Phone

1.6.2 Phone to SIM

1.6.1.1 One by one

1.6.2.1 One by one

1.6.1.2 All

1.6.2.2 All

► 1.7 Delete

1.7.1 One by one

1.7.2 All

1.7.2.1 Phone

1.7.2.2 SIM

1.7.2.3 Phone & SIM

2. Navigation

2.1 Current Position

2.2 Cont. Position

2.3 Way Points

2.4 Location Track

2.5 Setting

2.6 Qiblah & Prayer

► 2.5 Setting

2.5.1 Format

2.5.2 Tracking Time

2.5.1.1 DD.ddddd

2.5.2.1 1 Second

2.5.1.2 DD/MM/SS.ss

2.5.2.2 3 Second

2.5.1.3 DD/MM/SS

2.5.2.3 10 Second

2.5.1.4 DD/MM.mm

2.5.2.4 30 Second

2.5.1.5 MGRS

2.5.2.5 1 Minute

2.5.1.6 UTM

2.5.2.6 3 Minute

2.5.2.7 5 Minute

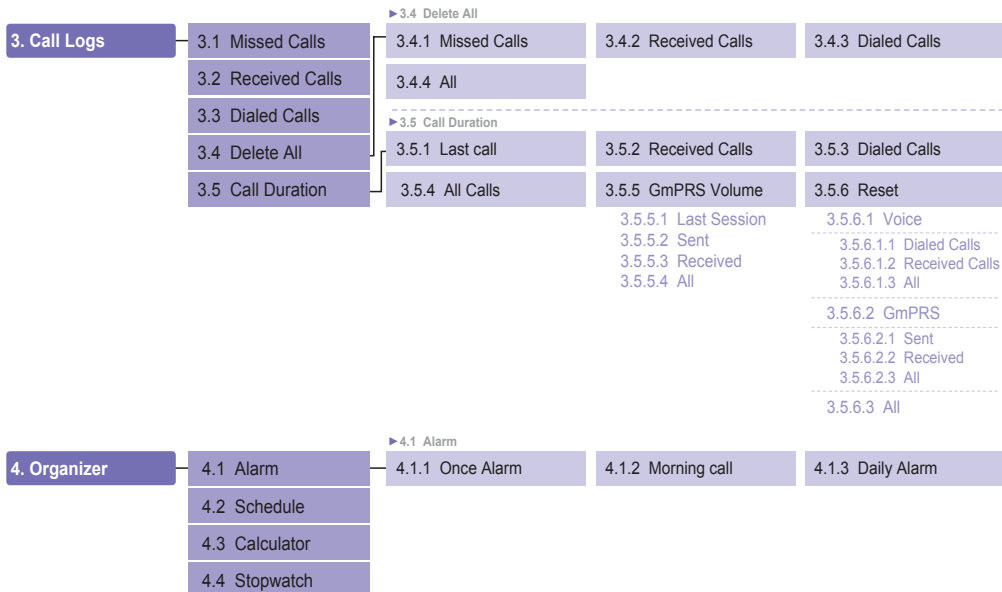
2.5.2.8 10 Minute

2.5.2.9 15 Minute

2.5.2.10 30 Minute

2.5.2.11 1 Hour

Additional



Additional

01

02

03

04

Additional

5. Messaging

5.1 New Message

5.2 Inbox

5.3 Draft

5.4 Sent Messages

5.5 Outbox

5.6 Templates

5.7 Settings

5.8 Info Message

5.9 Memory Status

5.10 Delete All

► 5.7 Settings

5.7.1 Service Centre

5.7.2 Format

5.7.3 Delivery Report

5.7.2.1 Text

5.7.3.1 On

5.7.2.2 Fax

5.7.3.2 Off

5.7.2.3 E-mail

5.7.2.4 ERMES

5.7.4 Validity

5.7.5 Request Reply

5.7.6 Bearer Selection

5.7.4.1 Maximum

5.7.5.1 On

5.7.6.1 SMS Server

5.7.4.2 1 Hour

5.7.5.2 Off

5.7.6.2 GmPRS Server

5.7.4.3 6 Hours

5.7.4.4 1 Day

5.7.4.5 3 Days

5.7.4.6 1 Week

► 5.8 Info Message

5.8.1 Status

5.8.2 Inbox

5.8.3 Language

5.8.1.1 On

5.8.1.2 Off

5.8.4 Topics

► 5.10 Delete All

5.10.1 Inbox

5.10.2 Draft

5.10.3 Sent Messages

5.10.4 Outbox

5.10.5 Template

5.10.6 Phone

5.10.7 SIM

5.10.8 All

Additional

6. Sound Setting	6.1 Ringing Tone	▶ 6.1 Ringing Tone		
	6.2 Sound Volume	6.1.1 Thuraya Ring	6.1.2 Thuraya Theme	6.1.3 Beethoven
	6.3 Incoming Call Alert	6.1.4 Buzzer	6.1.5 Celaeno	6.1.6 Chopin
	6.4 Keypad Tone	6.1.7 Crusing	6.1.8 Maia	6.1.9 Nutcracker
	6.5 Keypad Tone Volume	6.1.10 Siren	6.1.11 Tinkerbell	6.1.12 Vivaldi
		6.1.13 Concerto	6.1.14 Konigin	6.1.15 La donna
		6.1.16 Libiamo	6.1.17 Munite G major	6.1.18 Mozart
		6.1.19 Enmity	6.1.20 Free	6.1.21 Happiness
		6.1.22 Resolution	6.1.23 Techno	6.1.24 Wilderness
		6.1.25 Bell 01	6.1.26 Bell 02	6.1.27 Bell 03
		6.1.28 Bell 04	6.1.29 Bell 05	6.1.30 Bell 06
		▶ 6.3 Incoming Call Alert		
		6.3.1 Ringing	6.3.2 Ascending	6.3.3 Ring Once
		6.3.4 Beep Once	6.3.5 Off	
		▶ 6.4 Keypad Tone		
		6.4.1 DTMF Tone	6.4.2 TREE Tone	6.4.3 Off

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7. Settings

7.1 Language

7.2 Call

7.3 Wallpaper

7.4 Greeting Message

7.5 Own Number

7.6 Data Connection

7.7 Setup Wizard

7.8 Backlight

7.9 LCD Contrast

7.10 Time/Date

7.11 GmPRS

► 7.2 Call

7.2.1 Voice Mail

7.2.2 Answer Method

7.2.3 DTMF Tone

7.2.2.1 Auto Answer

7.2.2.1.1 5 Seconds

7.2.2.1.2 10 Seconds

7.2.2.1.3 Off

7.2.2.2 Any Key

7.2.2.2.1 On

7.2.2.2.2 Off

7.2.4.1 On

7.2.4.2 Off

7.2.4 Call Waiting

7.2.4.1 Activate

7.2.4.2 Status

7.2.4.3 Deactivate

7.2.5 Call Divert

7.2.5.1 Voice

7.2.5.1.1 All Voice

7.2.5.1.1.1 Activate

7.2.5.1.1.1.1 Voicemail

7.2.5.1.1.1.2 Number

7.2.5.1.1.2 Status

7.2.5.1.1.3 Deactivate

7.2.5.1.2 Busy

7.2.5.1.2.1 Activate

7.2.5.1.2.1.1 Voicemail

7.2.5.1.2.1.2 Number

7.2.5.1.2.2 Status

7.2.5.1.2.3 Deactivate

7.2.5.1.3 No Reply

7.2.5.1.3.0 5 second, 15 second, 30 second

7.2.5.1.3.1 Activate

7.2.5.1.3.1.1 Voicemail

7.2.5.1.3.1.2 Number

7.2.5.1.3.2 Status

7.2.5.1.3.3 Deactivate

7.2.6 Send Own Number

7.2.6.1 Preset

7.2.6.2 Off

7.2.6.3 On

7.2.8 Cost

7.2.8.1 Charge Rate

7.2.8.2 Cost Limit

7.2.8.3 Cost Displayed

7.2.8.3.1 On

7.2.8.3.2 Off

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7.2 Call

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7.4 Greeting Message

7.5 Own Number

7.6 Data Connection

7.7 Setup Wizard

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7.9 LCD Contrast

7.10 Time/Date

7.11 GmPRS

7.2.5.1.4 Unreachable

7.2.5.1.4.1 Activate

7.2.5.1.4.1.1 Voicemail

7.2.5.1.4.1.2 Number

7.2.5.1.4.2 Status

7.2.5.1.4.3 Deactivate

7.2.5.1.5 Clear Divert

7.2.5.2 All Fax

7.2.5.2.1 Activate

7.2.5.2.2 Status

7.2.5.2.3 Deactivate

7.2.5.3 All Data

7.2.5.3.1 Activate

7.2.5.3.2 Status

7.2.5.3.3 Deactivate

7.2.5.4 Clear All Divert

► 7.5 Own Number

7.5.1 Voice

7.5.2 Fax

7.5.3 Data

► 7.6 Data Connection

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7.6.1.1 UART

7.6.1.2 USB

7.6.2 Data Link Rate

7.6.2.1 Automatic

7.6.2.2 300 Baud

7.6.2.3 1200 Baud

7.6.2.4 2400 Baud

7.6.2.5 4800 Baud

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- 7.2 Call
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- 7.4 Greeting Message
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- 7.6.2.9 57600 Baud
- 7.6.2.10 115200 Baud

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► 7.10 Time/Date

- 7.10.1 Set Time/Date
- 7.10.4 Time Format
 - 7.10.4.1 24 Hours
 - 7.10.4.2 12 Hours

7.10.2 Auto Update

- 7.10.2.1 On
- 7.10.2.2 Off

7.10.3 World Time

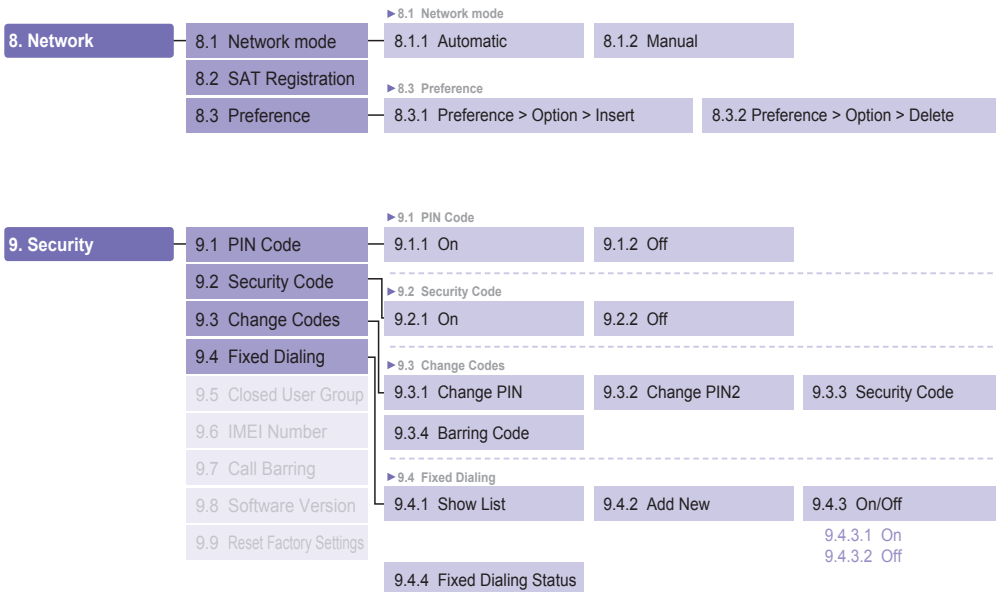
► 7.11 GmPRS

- 7.11.1 APN
 - 7.11.1.1 Select
 - 7.11.1.2 Insert
 - 7.11.1.3 Edit
 - 7.11.1.4 Delete

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- 7.11.2.2 Off

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Additional

9. Security

9.1 PIN Code

9.2 Security Code

9.3 Change Codes

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9.5 Closed User Group

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9.8 Software Version

9.9 Reset Factory Settings

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► 9.7 Call Barring

9.7.1 Outgoing Calls

9.7.2 Int. Calls

9.7.3 Int. Exc. to Home

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9.7.2.1 Activate

9.7.3.1 Activate

9.7.1.2 Status

9.7.2.2 Status

9.7.3.2 Status

9.7.1.3 Deactivate

9.7.2.3 Deactivate

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9.7.6 Clear Barring

9.7.4.1 Activate

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9.7.4.2 Status

9.7.5.2 Status

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9.7.4.3 Deactivate

9.7.5.3 Deactivate

9.7.6.3 Incoming

► 9.9 Reset Factory Settings

9.9.1 Yes

9.9.2 No

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Additional

Additional

Access Codes

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorised use.

When requested for any of the codes explained below, enter the appropriate code (displayed as asterisks) and press .

If you make a mistake, press  (Clear) one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK1 and PUK2 codes, can be changed using the Security menu (9).

Important! Avoid using access codes resembling emergency numbers, such as 112, so that you do not accidentally dial an emergency number.

Security Code

The Phone lock feature uses the security code to protect your phone against unauthorised use. The phone password is supplied with the phone and is preset to "0000" at the factory.

PIN & PUK

The PIN (Personal Identification Number) is 4 to 8 digits. It protects your SIM card against unauthorised use. It is usually supplied with the SIM card. Entering wrong PIN code 3 times will lock the SIM card and to unlock, PUK code must be entered. PUK code is normally supplied with SIM card.

PIN2 & PUK2

It is required with settings related to PIN2 Network. PIN2 must be entered for Fixed Dialing. As with PIN code, entering wrong PIN2 code 3 times will lock the SIM card and to unlock, PUK2 code must be entered. PUK2 code is normally supplied with SIM card.

Barring Code

It is a code controlled in the network for call restriction function. Barring code varies with different service providers and should be supplied by your service provider when you start using the phone. When barring code is lost, it can be renewed by asking your service provider.

LIMITED WARRANTY

SO-2510 SATELLITE HANDHELD PHONE

This Limited Warranty is provided to the original end-user purchaser (the 'Buyer') of any new SO-2510 Satellite Handheld Phone. This Limited Warranty is non-transferrable.

Warranty Coverage and Service

Thuraya warrants all new SO-2510 Satellite Handheld Phones (the 'Product') under normal use and wear to be free from defects in material and workmanship for a period of one (1) year from the date of purchase by the original Buyer (the 'Warranty Period'). If, under normal use and wear, the Product becomes defective in materials or workmanship and is returned at Buyer's expense to a Thuraya Authorized Service Center during the Warranty Period, the Product will be repaired or replaced, at Thuraya' sole and exclusive option, and at no charge to Buyer. Buyer will be required to provide reasonable proof of date of purchase. Reconditioned replacement components, parts, units or materials may be used if the Product is repaired or replaced. Costs incurred in the removal, de-installation or reinstallation of the Product are not covered.

THIS LIMITED WARRANTY DOES NOT COVER AND THURAYA WILL NOT BE RESPONSIBLE FOR THE FOLLOWING:

This Limited Warranty will be void in its entirety if the Product is serviced by anyone other than Thuraya or a Thuraya Authorized Service Centre. Buyer's sole and exclusive remedy shall be the repair or replacement of the defective Product, as specifically described above. Thuraya neither assumes nor authorizes any Authorized Service Centre or any other person or entity to assume any other obligation or liability beyond that which is provided for in this Limited Warranty.

This Limited Warranty does not cover the following:

- products or accessory equipment not manufactured or provided by Thuraya
- failures or defects caused by misuse, abuse, accident, alteration or neglect
- unauthorized installation, removal or repair
- failure to follow instructions
- fire, flood or other nature caused accidents
- spills of food or liquids
- normal wear and tear
- improper installation, maintenance
- operation or repair; performance of the Product when used in combination with other products or equipment not manufactured or provided by Thuraya
- payments for labor or service to representatives or service centers not authorized by Thuraya.

This limited Warranty of the Product does not cover the operation, availability, coverage, range or grade of service provided by the satellite systems.

Limitation of Liability

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THURAYA SHALL NOT BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, LESS REASONABLE AMOUNT FOR USE AND WEAR, OR FOR ANY INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, OR FOR ANY DELAYS, LOSS OF USE, TIME, PROFITS, REVENUE OR SAVINGS, ANY COMMERCIAL LOSS, INCONVENIENCE, MILEAGE, DAMAGE TO BUYER'S OR TO OTHER PERSON'S VEHICLE OR ANY OTHER PROPERTY, ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT, OR OTHERWISE FOR ANY FAILURE TO PERFORM.

All liability and obligations of Thuraya under this Limited Warranty shall terminate upon the expiration of the applicable Warranty Period provided herein. This Limited Warranty sets forth the entire responsibility of Thuraya with respect to the Product. There are no other liabilities of Thuraya arising from the sale of the Product whether based on warranty, contract, negligence or other theories of liability. In no event shall Thuraya' liability exceed the cost of correcting defects as provided herein.

This Limited Warranty gives specific legal rights to Buyer, and Buyer also may have other rights which may vary from jurisdiction to jurisdiction.

hereby declares that this mobile phone is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CE 0682

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Warranty Card for SO-2510

This Warranty Card is only valid with all gaps filled in properly by the dealer.

Place the detachable IMEI-label from the gift box here:



Dealer's stamp and signature:

Date of purchase:

Customer's name, address, country and telephone number: