E52RCT
User Manual

For Your Safety

Read these simple guidelines. Failure to comply with them may be unsafe or illegal.

Road safety comes first

Do not use a wireless phone while driving; pull over the vehicle first. Remember that in some countries, it is illegal to use a wireless phone while driving.

It is dangerous to use a mobile phone while refueling at a gas station.

Switch off in aircraft

Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is illegal to use it, or when it may cause interference or danger (in a hospital for example).

Interference

All mobile phones may be subject to radio interference, which may affect their performance.

Qualified service

Only qualified service personnel must repair cellular equipment. Use only the approved accessories and batteries.

Use properly

Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Emergency calls

Ensure that the phone is switched on and in service. Enter the emergency number (112 or another official emergency number) and press the [Dial & Menu Confirmation Key](Look at 8 page the Phone Layout). Give your location. Do not end the call until given permission to do so. End the call by closing the flip cover or pressing the [Menu exit Key](Look at 8 page the Phone Layout).

Menu Map

1 Messages(see page 44)

1.1 Inbox

1.2 Outbox

1.3 Write Message

1.4 Template

1.5 Message Setup

1.5.1 SC Number
1.5.2 Default Type
1.5.3 Validity

1.6 Voice Massage

1.6.1 Listen to Message
1.6.2 Number Setup

1.7 Broadcast

1.7.1 Read
1.7.2 Setting
1.7.3 Channel
1.7.4 Language

1.8 My Contents

1.8.1 My Sound
1.8.2 My Picture
1.8.3 My Animation

2 MMS(see page 48)

2.1 MMS Inbox

2.1.1 MMS Received Box

2.1.2 MMS Notice Box

2.2 MMS Outbox

2.3 MMS Sent

2.4 MMS Create

2.4.1 Text

2.4.2 Image

2.4.3 Sound

2.4.4 Message Class

2.4.5 Message Priority

2.5 MMS Drafts

2.6 MMS Delete All

2.7 MMS Setup

2.7.1 Delivery Report

2.7.2 Read Reply

2.7.3 Auto Download

2.7.4 Sender Visibility

2.7.5 Time of Expiry

2.7.6 MMS Profile

3 Call Record(see page 52)

3.1 Received Calls

3.2 Dialed Calls

3.3 Missed Calls

3.4 Delete Records

3.5 Call Timer

3.5.1 Last Call

3.5.2 Total Dialed

3.5.3 Total Received

3.5.4 Reset Timer

3.6 Call Cost

3.6.1 Last Call Cost

3.6.2 Total Cost

3.6.3 Reset

4 Camera(see page 55)

4.1 Take Photo

4.1.1 Size

4.1.2 Self Timer

4.1.3 Shutter Sound

4.1.4 Effect

4.1.5 Bright Setting

4.1.6 Zoom

4.2 Sticker Photo

4.3 My Album

4.3.1 Screen Setting

4.3.2 Delete

4.3.3 Delete All

4.3.4 Edit

4.3.5 Multi View

4.3.6 Enlarge

4.4 Reset

4.5 Memory Status

5 My Folder(see page 59)

5.1 Calendar/Scheduler

5.1.1 Anniversary

5.1.2 D-Day

5.2 World Time

5.3 Games

5.4 Calculator

5.5 Biorhythm

5.6 Unit Converter

6 Settings(see page 63)

6.1 Time Setting

6.1.1 Alarm

6.1.2 Time & Date Setting

6.1.3 Time Format

6.2 Sound Setting

6.2.1 Alert Type

6.2.2 Ringing Tone

6.2.3 Message Alarm

6.2.4 Key Tone

6.2.5 Volume Setting

6.2.6 Alert Setting

6.3 Screen Setting

6.3.1 Waiting Screen

6.3.2 My Image

6.3.3 Screen Contrast

6.3.4 Auto Backlight

6.4 Option Setting

6.4.1 Answering Type

6.4.2 Language

6.4.3 DTR Service

6.5 Security Setting

6.5.1 PIN Code

6.5.2 Phone Lock

6.5.3 FDN Mode

6.6 Reset

6.6.1 Factory Reset

6.6.2 All Data

7 Network Service(see page 69)

7.1 Call Divert

7.1.1 All Calls

7.1.2 When Not Answered

7.1.3 When Busy

7.1.4 When No Service

7.1.5 Cancel All Divert

7.2 Call Wait

7.2.1 Active

7.2.2 Check Status

7.2.3 Cancel

7.3 Call Barring

7.3.1 All Outgoing

7.3.2 International

7.3.3 Int' l Except Home

7.3.4 All Incoming

7.3.5 Incoming Roaming

7.3.6 Change Barring Password

7.3.7 Cancel All Barring

7.4 Caller ID

7.4.1 Send Number

7.4.2 Hide Number

7.5 Network Selection

7.5.1 Automatic

7.5.2 Manual

8 STK(see page 71)

9 WAP(see page 72)

9.1 Home

9.2 Resume

9.3 Bookmarks

9.4 Go to URL

9.5 Profiles

9.6 Clear Cache

Contents

FOR YOUR SAFETY **2**

MENU MAP **3**

YOUR PHONE **12**

PHONE LAYOUT 12

DISPLAY LAYOUT 14

PHONE FEATURE 16

GETTING STARTED **18**

YOUR FIRST CALL 18

INSTALLING THE SIM CARD 19

CHARGING THE BATTERY 20

SWITCHING THE PHONE ON/OFF 21

ACCESS CODES 22

GENERAL FUNCTIONS **23**

MAKING A CALL 23

MAKING INTERNATIONAL CALLS 23

CORRECTING THE NUMBER 23

SEARCHING NUMBER UNDER PHONEBOOK 23

MAKING A CALL FROM PHONEBOOK 24

MAKING A CALL FROM MESSAGE 25

REDIALING THE LAST NUMBER 26

ENDING A CALL 26

ANSWERING A CALL 26

EMERGENCY CALL 27

ENTERING A "PAUSE" CHARACTER IN A DIAL STRING 27

ADJUSTING EARPIECE VOLUME 27

USING THE EARPHONE 28

SELECTING FUNCTIONS AND OPTIONS 28

SECURITY 29

Contents

USING PHONEBOOK 30

STORING A PHONE NUMBER WITH A NAME..... 30
STORING A PHONE NUMBER WITH PHONEBOOK MENU 30
SEARCH 31
NEW ENTRY 32
GROUP SEARCH..... 32
GROUP EDIT 33
SPEED DIAL..... 33
CALL REJECT..... 33
FDN..... 33
MEMORY STATUS 34
OWN NUMBER..... 34

IN-CALL OPTIONS 35

PUTTING A CALL ON HOLD/UN-HOLD..... 35
MAKING A SECOND CALL..... 35
ANSWERING A SECOND INCOMING CALL 35
STORING A NUMBER 35
SWAPPING BETWEEN ACTIVE CALL AND HELD CALL..... 36
CONFERENCE CALL 36
SENDING MESSAGE 36
INTER WORKING PHONEBOOK..... 36

TEXT INPUT 377

T9 INPUT MODE OF E52RCT 377
T9 STROKE MODE.....377
KEY DEFINITION IN T9 STROKE MODE.....388
T9 PINYIN MODE 39
T9 ENGLISH MODE.....400
ENGLISH(ABC) MODE 411
NUMBER MODE.....422
SYMBOL MODE 433

Contents

MENU FUNCTIONS **44**

MESSAGES 44

MMS 48

CALL RECORDS 52

CAMERA 55

MY FOLDER 59

SETTINGS 63

NETWORK SERVICE 69

STK 71

WAP 72

SIM AT SERVICE **74**

SOLVING PROBLEMS **75**

USING THE BATTERIES **77**

SAFETY INFORMATION **78**

GLOSSARY OF TERMS **84**

UNPACKING **87**

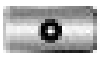
YOUR PHONE

Phone Layout

Key Definition

Soft Keys

Perform functions identified by left/right display prompt.



Camera Keys

Start [Take Photo] menu & work as shutter

Navigation Key

Scroll through the menu options.
Move the cursor up & down in the normal editing mode.
Move the cursor left and right n all editing mode.

Cancel Key

Cancel entered number & letter
when you make a call or input letter for phonebook or WAP.

Dial & Menu Confirmation Key

Make or answers a call.
Recall the last 10 numbers in idle mode.
Select menu function or stores information that you have entered (such as a name) in the phone or SIM memory.

Power on/off key & Menu exit Key

End a call.
Switch the phone on and off. (when press this key and hold)
Cancel your input in the menu facility and returns to the idle mode.

Alphanumeric Keys

Enter numbers, letters and some special characters.

Special Function Keys

Enter Special Characters / Perform Various Functions

Side Key(On the left side your phone)

Adjust the earpiece volume.
Reject an incoming call. (when press Side Key and hold)

WAP or OK Key

Select menu function or stores information that you have entered in the menu facility.

Shortcuts

To go to “Soft left key” option and “Soft right key” option.
In idle mode to go to “Favorite menu set” and “Scheduler”

To go to “Message” option.

To go to “Sound Setting” option.

To activate “Phone Lock” option.
(when press this key and hold)

To activate “Silent Mode” option.
(when press this key and hold)

Display Layout

The display includes three areas.

Icons

Text &
Graphic Area

Soft keys

Icons

Icon	Description
	Signal Strength ; Shows the receiving signal strength. The greater the number of bars, the better the signal strength.
	New message : Appears when an incoming text or voice message arrives.
	SIM Full : Appears when the memory is full
	New Broadcast ; Appears when the broadcast mode is active.
	Call barring On ; Appears when the call barring mode is active.
	Call Divert On ; Appears when the call divert mode is active.
	Vibrator On ; Appears when the vibrate mode is active.
	Alarm On ; Appears when you set the alarm.
	Battery Strength ; Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

The display is illuminated by a backlight. When you open the folder or press any key, the backlight lights up.

It dims by two levels of illumination if no key is pressed within a given period of time, depending on the **Backlight Time** option in the **Phone Set** menu.

To specify the length of time for which the backlight is active, set the **Backlight Time** menu option;

Phone Feature

E52RCT is a GPRS mobile phone using GSM 900/DCS 1800/PCS 1900 RF. If you want to get more information see this table.

H/W Feature

Feature	Description	Image
Dimension	42.5x84.0x19.5mm	
Main LCD	1.8" 65k TFT LCD (128 x 160)	
Sub LCD	OLED (96 x 64)	
Camera	330k VGA	
Battery	720mA(Standard)	
Antenna	Helical	

S/W Feature

Feature	Description	Remarks
RF	GSM900/DCS1800/PCS1900	Manual Selection
GSM	GSM Phase 2 & 2+	
GPRS	Class 8	
WAP	Version 2.0	
	AU Browser	
	Wireless contents download	
MMS	Multimedia Message Sending - Picture, Sound & Text - E-Mail & Multi Sending - Page Effect	Max 30KB Max 10
	Multimedia Message Receiving - Saving Message / Each Object - Auto Rejection	Anonymous / Advertising
	Options - SMIL - Validity Period - Report – Read / Delivery - Auto Delete / Auto Download	
SMS	Editing/Saving Text Template	24 byte size.
	SMS multi-sending	Up to 20 number
	Message Backup	Saving interrupted message by call incoming

Feature	Description	Remarks
Camera	Image Size Variation - 2 Type	
	Self Timer	
	Shutter Sound	
	Filter(B&W / Sepia / Mosaic)	
	Sticker Photo	
	Multi Shot	
	Multi View	
Sound	MA3 40 Poly	
	Selectable Key Tone (MA3)	Voice / Piano / DTMF / Water Drop
	Various Alert Tone (MA3) Emotional LED Blinking	Blinking LED in accord with Sound
Security	PIN / Phone Lock (Privacy/Phone Lock/SIM Lock)	
Phonebook	Multi Segmented Location Phonebook	
	Memorize 500 Phone Numbers	
	Caller group ring-tone	
Call Record	Last 10 Numbers Redial (Dialed/Received/Missed)	
Scheduler	Scheduler & Schedule Reminder (include wallpaper calendar)	
Text Input	Intelligent text input(31,000 letters)	
	T9	
Fun	JAVA Games, Biorhythm, World Time, Calculator, Unit conversion	
Alarm	Auto Power ON Alarm	
	Upgrade morning call	Easy Alarm / Weekend Setting
Call rejection	Enable	
Key Map	variable Shot-cut	Favorite menu setting

Getting Started

Your First Call

The following diagram describes the main steps required for making your first call and indicates the pages on which you can find more detailed instructions.

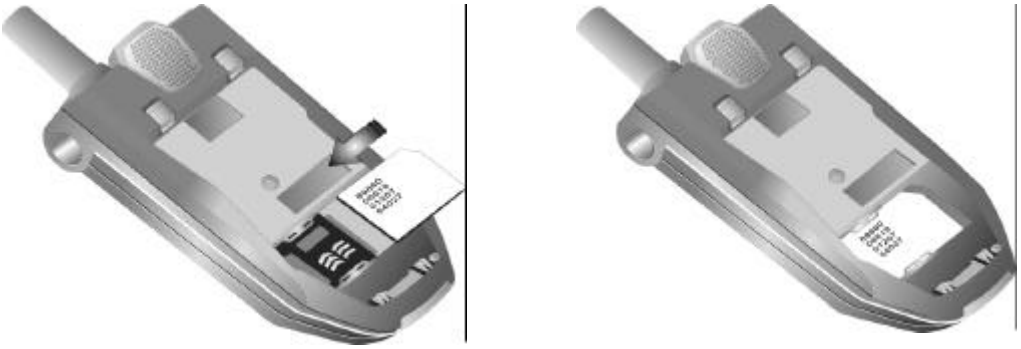
INSERT A SIM CARD (Phone Switched off and Battery removed)	Page 19
CHARGE THE BATTERY	Page 20
SWITCH THE PHONE ON/OFF	Page 21
ENTER YOUR PIN(ACCESS CODES)	Page 22
DIAL THE PHONE NUMBER REQUIRED	Page 23
WHEN YOU HAVE FINISHED END THE CALL	Page 26

Installing the SIM card

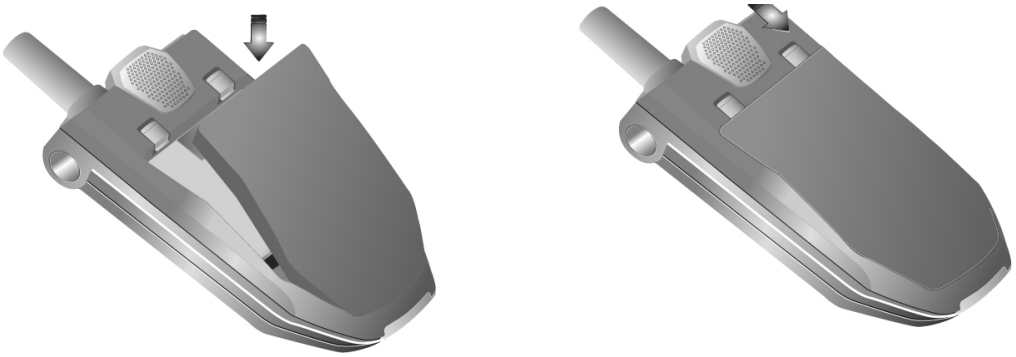
When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details (PIN, optional services available and so on).

1. If necessary, switches off the phone by holding down the power on/off key until the Power off message is displayed.
2. Remove the battery. To do so:
   ① Pull up and hold the locking catch above the battery on the back of the phone.
   ② Lift the battery away, as shown,

3. Put the SIM card into the phone. Ensure that the SIM card is inserted properly



4. Place the battery back on the phone. Align the bottom of the battery with the corresponding slots in the phone and place the battery inside the phone.



Charging the Battery

A rechargeable Li-ion battery powers your phone. A travel adapter is provided with your phone. Use only approved batteries and chargers.

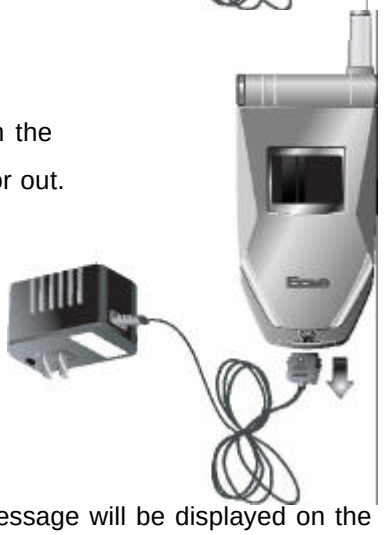
The phone can be used while the battery is charging.

Note: *You must fully charge the battery before using your phone for the first time*

1. Once the battery is in position on the phone, you need to connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.

2. Connect the adapter to a standard AC wall outlet.

3. When charging is finished, disconnect the adapter from the power outlet and from the phone by pulling the connector out.



Low Battery Indicator

When the battery is low, you will hear a warning tone, and a message will be displayed on the screen:

When the battery becomes too weak to operate, it switches off automatically.

Switching the Phone On/Off

1. Hold down the power on/off key more than one second to switch the phone on.
2. If the phone asks for a PIN, key in the PIN and press the **OK** key. For further details, see page 18.

The phone searches for your network and when it finds it, the idle screen, illustrated below, is displayed. The external display shows the signal strength, battery strength and current time and date.

Note : *The display language is factory set to English. To change the language, use the* ***Language*** *menu option;*

2. When you wish to switch the phone off, hold down the power on/off key for more than two seconds.

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Access Codes

There is an access code that is used by your SIM card. These codes help you protect the phone against unauthorized use.

When requested for any of the code explained below, key in the appropriate code (displayed as asterisks) and press the **OK** key

PIN

The **P**ersonal **I**dentification **N**umber or PIN(4-8digits) protects your SIM card against unauthorized use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code will be disabled and cannot be used until you re-enable it by entering the PUK(see below).

PUK

The 8-digit PUK (**P**ersonal **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or you have lost it, contact your service provider.

To re-enable your PIN, proceed as follows.

1. Key in the PUK and press the **OK** key.
2. Enter a new PIN of your choice and press the **OK** key.
3. When the **Confirm New PIN** message is displayed, key in the same code again and press the **OK** key.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

Pin Password

The 4 ~ 8 digits of password is required when you use the Call barring function. You obtain the password from your service provider when you subscribe to this function.

General Functions

Making a Call

To make a call on your phone, check the phone if the screen is idle. Then key in the area code and phone number using the numeric keys and press the Dial & Menu confirmation key.

You can hear the connect tone when the call is answered by the called person, if you set the **Connect tone** to **ON.**

For more details, please see **Sound Set.**

Making International Calls

Press the **[*]** key to display **"+"** character.

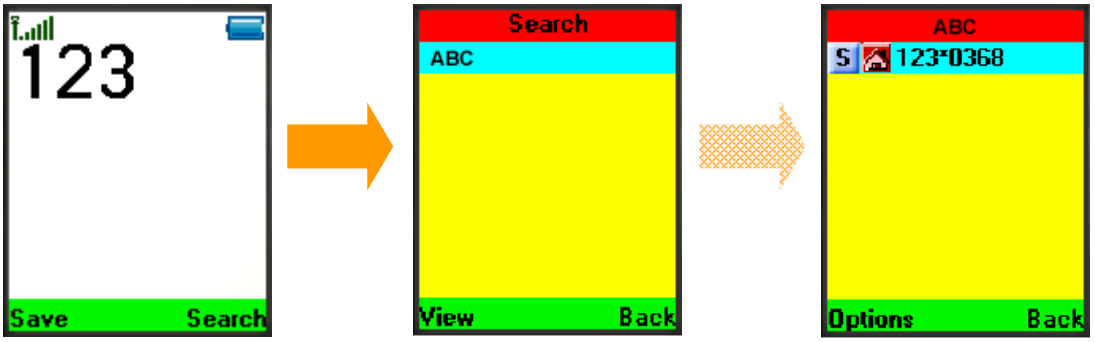
Key in the country code, area code(without the leading zero), and the phone number. Then press the Dial & Menu confirmation key. The **'+'** tells the network that the call is international.

Correcting the Number

Area	Displays
The last digit displayed	Press the [**Delete**] soft key(right).
Any other digit in the number	Press the Right & Left navigation key until the cursor is immediately to the right of the digit to be cleared. Press the [**Delete**] soft key(right).
The whole display	Hold down the [**Delete**] soft key(right) for more than two second.

Search number under phonebook

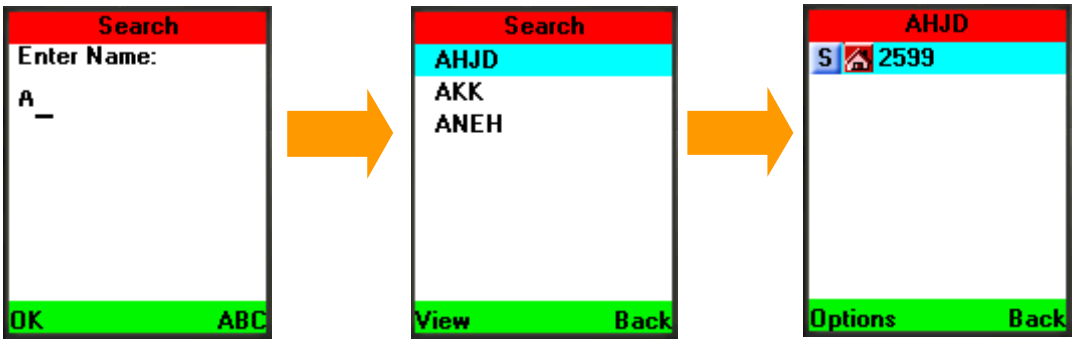
When you make a call, if you choose "Search" soft key(right), the phonebook record starting with inserted numbers are listed up. You can choose phone number by up & down navigation key. Push Dial & Menu Confirmation key to make a call. If you want to see first the phone number to be dialed, select "View" soft key(left).



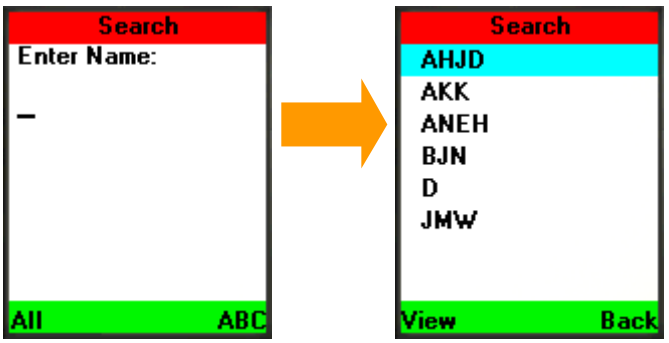
If there is no phone number in your phonebook starting with inserted numbers, [No Matching Record] popup will be displayed.

Making a Call from Phonebook

You can store the names and phone numbers dialed regularly in the SIM card and phone memory called [Phonebook]. If you want to find a number by phonebook name, push right soft key, and then choose "Search" menu. Input full name or even a start letter and select "OK" menu. If there is the name you want to call, choose the name by moving up & down navigation key. Push Dial & Menu Confirmation key to make a call. But, if there is more than one entry in the selected name, the list will be displayed. You then simply select one entry and push Dial & Menu Confirmation key to make a call.



If you want to see all lists of phonebook, just choose “ALL” soft key (left) without input any letter.



Making a Call from Message

You can make a call from message by pushing Dial & Menu Confirmation key when the message, you want to call back, is highlighted. And you can also make by choosing “Call Back” Menu in the option of “Inbox” after you read a message.

Redialing the last Number

The phone stores the last 10 numbers dialed. To recall any of these numbers, proceed as follows.

1. If you have typed any characters on the display, clear the display by pressing Cancel key, or press the Menu exit key.
2. Press the Dial & Menu confirmation key to display a list of the last numbers.
3. Use Up & Down navigation keys to scroll through the numbers until the required number is highlighted.
4. **To…….** **Then…….**

   Dial the number highlighted — Press the Dial & Menu confirmation key

Ending a Call

When you have finished your call, briefly press the Menu exit key, or close the folder.

Answering a Call

When you answer a call, the phone rings or vibrates according to the setting with the incoming call animation.

When the caller can be identified, the caller' s phone number and name, if stored in phonebook, will be displayed. If the caller cannot be identified, only the caller' s phone number will be displayed.

1. If necessary, open the folder. Press the Dial & Menu confirmation key. If the **Any key Answer** option is set to **ON**, you can press any key to answer a call except for the power on/off key when the folder is open.
   - To reject an incoming call, press and hold the volume keys on the left side of the phone without opening the folder.
   - If the **Open Folder** option is set to **ON**, you do not need to press any key. You can answer the call simply by opening the folder when the folder is closed.
2. End the call by closing the phone or pressing the Menu exit key.

Emergency Call

Ensure that the phone is switched on and in service.

Enter the emergency number (112 or another official emergency number) and press the Dial & Menu confirmation key. Give your location. Do not end the call until given permission to do so.

End the call by closing the folder or pressing the Menu exit key.

Note : In the situation such as power-on that **Enter Lock Code** or **Enter PIN** is prompted.
Some network may not allow the emergency call **112** and may request to insert SIM card.

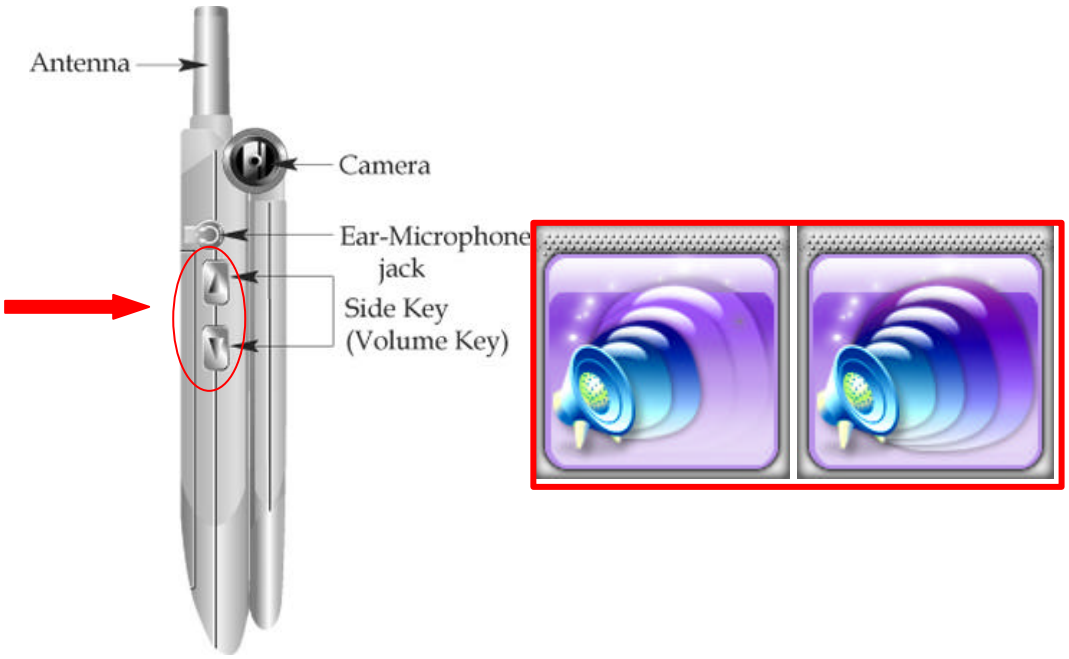
Entering a "Pause" Character in a Dial String

A pause("**P**") character may be entered into a dial string by pressing the left special function key("*") three times.

Adjusting Earpiece Volume

During a call, you can adjust the earpiece volume by pressing up side or down side of slide key on the left side of this phone.

If you want to change keypad tone, press up side or down side of slide volume key in idling mode,.



Using the Earphone

.If you insert the earphone to the phone jack, you can use it in the same way as your phone' s earpiece and microphone.

You can answer or end a call by pressing the hook button on the earphone.

To answer another call while you are on the phone, you can answer the waiting call by pressing the hook button on the earphone.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize your phone. These functions are arranged in **menus and sub-menus, accessed via two soft keys**. Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

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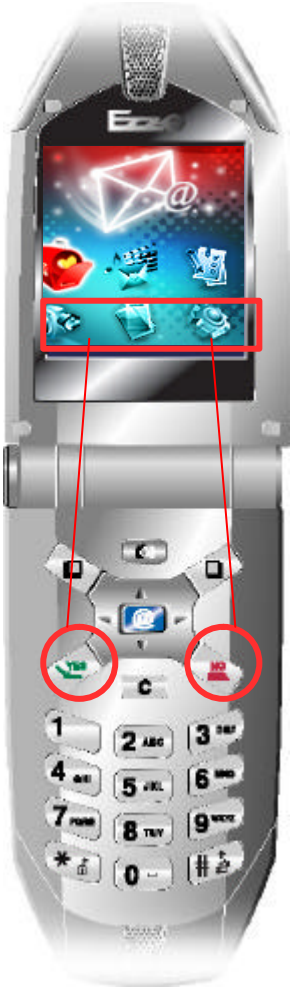


Security

There are three types of security setting categories, and you can optimize security mode by choosing sub menus in "Phone Lock" category. This "Security function" will help you to keep privacy and to prevent other people from illegal use.

1. PIN Code

When the PIN Setting feature is enabled, user must enter the PIN each time the phone is switched on. And before entering the PIN, the phone shall not be activated.

2. Phone Lock

There are three options for you to optimize security setting. Each options

A. Privacy

When the Privacy feature is enabled, user must enter the password each time and then press any keys. And before entering the password, not available to make a call and or operate the phone. But answering a call, receiving message and turning on/off are available without entering the password.

B. Phone Lock

When the Phone Lock feature is enabled, user must enter the password each time the phone is switched on. And making a call or operating the phone is not available without the password.

C. SIM Lock

When the SIM Lock feature is enabled, the phone only works with the current SIM. If the phone is switched on with uncertified SIM, the phone shall ask the password. Once the correct password has entered, the phone shall work with uncertified SIM.

3. FDN Mode

When the FDN Mode feature is enabled, the person using this phone can call only the phone numbers stating with the numbers stored in FDN. To makes a call to the number not starting the numbers stored in FDN, you must enter the PIN2 to disable FDN mode. If the SIM card does not have PIN2, this feature is not supported.

In the FDN Mode, you can use several useful functions as following.

A. View and Edit : you can see and edit FDN entry after input PIN2.

B. Add : you can add FDN entry after input PIN2.

C. Delete : you can delete FDN entry after input PIN2.

D. SMS : you can send SMS to the phone numbers starting with the numbers stored in FDN.

E. Short Type : you can choose short type among Number / Name / Sequence.

Using Phonebook

You can store phone numbers and their corresponding names in the memory of your SIM card. In addition, you can store up to 500 entries and categorize in 5 groups. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called phonebook.

Storing a Phone Number with a Name

As soon as you start to enter a number, [Save] appears above the soft key(left) to allow you store the number in the phonebook.

1. Key in the number to be stored.

Note : *If you make a mistake while entering a number, correct it using the [**Cancel**] key. Press the [Cancel] soft key to clear one letter/digit at a time. Press and hold the [**Cancel**] key to clear the entire message or characters on the edit screen.*

2. Select an icon to identify the number to be saved. Three categories are available; home number), (mobile phone number) and (office number). To select the category press the [**Select**] soft key(left).
3. Input name and select group by moving navigation key and pressing [**OK**] soft key(left). You can choose one among 5groups or nothing. If you choose no group, the number is save and displayed "No Group".
4. Select one between SIM memory and phone memory that you wish to store with the number by pressing [**Select**] soft key(left).
   - **SIM Memory** : SIM card memory (capacity of storing records depends on your SIM card).
   - **Phone Memory** : Phone memory, which can store up to 500 entries records.

Storing a Phone Number using the Phonebook Menu

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [New Entry] by pressing up or down navigation key and press [**Select**] soft key(left).
3. Select an icon to identify the number to be saved. Three categories are available ;

(home number), (mobile phone number) and (office number). To select the category press the [**Select**] soft key(left).

4. Input name and select group by moving navigation key and pressing [**OK**] soft key(left). You can choose one among 5groups or nothing. If you choose no group, the number is save and displayed "No Group".
5. Select one between SIM memory and phone memory that you wish to store with the number by pressing [**Select**] soft key(left).
   - **SIM Memory** : SIM card memory (capacity of storing records depends on your SIM card).
   - **Phone Memory** : Phone memory, which can store up to 500 entries records.

Note:

The following options are available

- **Search** : allows you search the entries you stored by name
- **New Entry** : allows you to add a new number in different category (mobile, office, home) to the currently selected name. A phonebook entry or name can contain up to three numbers, one in each category.
- **Group Search** : allows you search the entries you stored by group
- **Group Edit** : allows you to assign the selected number to a caller group to set the phone to alert in a particular way when the person of the entry calls you. Select one of the 5 groups.
- **Speed Dial** : allows you can view or change or delete saved speed dialing numbers.
- **Memory Status** : allows you to check how many names and numbers are stored in the phonebook(SIM card and phone memories) or how many free locations remain.
- **Own Number**: show your phone number.

Search

After storing numbers in the phonebook, you can search them by Name.

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [Search] by pressing up or down navigation key and press [**Select**] soft key(left).
3. Input full name or even a start letter and select "OK" menu.
4. If there is the name you want to call, choose the name by moving up & down navigation

key.

5. Push Dial & Menu Confirmation key to make a call. But, if there is more than one entry in the selected name, the list will be displayed. You then simply select one entry and push Dial & Menu Confirmation key to make a call.

Note:

The following options are available;

- **Edit** : allows you to edit the selected entry.
- **Delete** : allows you to delete the selected number and name from phonebook. You can delete all entry too.
- **Caller Group** : allows you to join selected number to the group you want.
- **New Entry** : allows you to add new phone number to selected name
- **Copy** : allows you to copy a number from any of both memories (main memory & SIM) to the other memory. It is a duplication case not to erase original number.
- **SMS** : allows you to send a message to selected number.

New Entry

It is explained upper menu **[Storing a Number using the Phonebook Menu].**

Group Search

After storing numbers in the phonebook, you can search them by Group.

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [Group Search] by pressing up or down navigation key and press [**Select**] soft key(left).
3. Press navigation key to move the Group category.
4. If there is the name you want to call, choose the name by moving up & down navigation key.
5. Push Dial & Menu Confirmation key to make a call. But, if there is more than one entry in the selected name, the list will be displayed. You then simply select one entry and push Dial & Menu Confirmation key to make a call.

Group Edit

You can set specific Ring Tone and SMS Alert Tone for a group and you can edit group name.

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [Group Search] by pressing up or down navigation key and press [**Select**] soft key(left).
3. When the desired group is highlighted, press the [**Select**] soft key(left).

   The following options are available.

   - **Ring Tone** : allows you to select the ring tone to be used when you receive a call from a person in the group.
   - **SMS Alert Tone** : allows you to select the alert tone to be used when you receive a message from a person in the group.
   - **Edit** : allows you to edit the name of the group.

Speed Dial

You can view, change or delete saved speed dialing numbers.

Call Reject

You can make 10 entries to reject automatically among phonebook data.

1. Choose [Call Reject] menu in [Phonebook] menu.
2. Select empty record.
3. Enter name of phonebook data to reject call. You can search the name as the [Search] function of [Phonebook].

FDN

You can use [FDN] menu when you set FDN enable or after input PIN2. If the SIM card does not have PIN2, this feature is not supported.

In the FDN Mode, you can use several useful functions as following.

1. View and Edit : you can see and edit FDN entry after input PIN2.
2. Add : you can add FDN entry after input PIN2.
3. Delete : you can delete FDN entry after input PIN2.
4. SMS : you can send SMS to the phone numbers starting with the numbers stored in FDN.
5. Short Type : you can choose short type among Number / Name / Sequence.

Memory Status

You can check how many names and numbers are stored in the phone book(SIM card and phone memories) or how many free locations remain.

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [Memory Status] by pressing up or down navigation key and press [**Select**] soft key(left).
3. Then Memory status of SIM and Phone memory will be displayed.

Own Number

You can see your phone number.

1. When the idle screen is displayed, press [**Phonebook**] soft key(right). Then, Phonebook menu is displayed on the screen.
2. Scroll to [Own Number] by pressing up or down navigation key and press [**Select**] soft key(left).
3. Then your phone number will be displayed.

In-Call Options

Your phone provides a number of call control functions that you can use during a call.

Putting a Call on Hold/Un-hold

You can put the current call on hold when the call is active state if this service is supported on the network. To do this, press the [**Hold**] soft key.
To make the held call reactivate, press the [**Un-hold**] soft key.

Making a Second Call

You can make a second call while you are in a call. To do this, key in the second phone number or fetch it up via **Phonebook** option and press the Dial & Menu confirmation key. The first call is automatically put on hold.

Answering a Second Incoming Call

You will be notified of an incoming call while you are in a call. Call waiting tone sounds in the earpiece, and the display will show that a second call is coming. This feature, known as Call Waiting, is only available if the network supports it.
You can answer the second incoming call by pressing the [**Accept**] soft key or the Dial & Menu confirmation key.
The first active call is automatically put on hold, and then the incoming call is active.

You can reject the incoming call during a call without answering it by pressing the Menu exit key.

Storing a Number

You can store phone numbers to the phonebook by using the [Phonebook] Menu in [Call Menu] even during you are calling.

Swapping Between Active Call and Held Call

You can swap calls while there are active held calls on conversation. To SWAP between active call and held call, press the [**SWAP**] soft key.
The current active call is placed on hold and the held call is reactivated.

Conference Call

You can make calls while there are active held calls on conversation by using [Conference Call] menu in [Call Menu]. [Conference Call] menu is appearing only when you accept second call.
The current active call is placed on hold and the held call is reactivated.
If you want to quit conference call and don' t want to hang up any call, you can choose [Split Call] Menu in [Call Menu]. [Split Call] menu is appearing only when you are under conference call.

Note:
Some networks do not allow the user to change this setting.

Sending Message

You can send messages by using the [Short Message] Menu in [Call Menu] even during you are calling.

Inter Working Phonebook

You can use [Phonebook] menu and sub menus even while you are calling. You can see [Phonebook] menu in [Call Menu] that is appeared while you are calling.

TEXT INPUT

Default Input System of E52RCT is T9 Predictive Editing system.

T9 Input Mode of E52RCT

You can use several input mode in E52RCT - T9 Simplified/Stroke mode, T9 Simplified/Pin Yin mode, T9 English mode, English(ABC) mode, Symbol mode, Number mode

T9 Stroke mode

Symbol	Functions
	The symbol is marked on [7] key.
	The symbol is marked on [8] key.
	The symbol is marked on [9] key.
	The symbol is marked on [*] key.
	The symbol is marked on [0] key.
	The symbol is functioned by [#] key.

T9 Predictive Editing

Key definition in T9 Stroke mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	Short : clear the formerly entered text on the edit screen Long : clear all text entered on the edit screen.
Left Navigation Key	move the cursor to the left direction by a character on the edit screen.
Right Navigation Key	move the cursor to the right direction by a character on the edit screen.
	come back to the idle screen
	stroke character “ “ (Press shortly) make a space (Press and hold)
1 – 6 	select Chinese character.

T9 Predictive Editing

T9 PinYin mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	Short : clear the formerly entered text on the edit screen Long : clear all text entered on the edit screen.
Left Navigation Key	move the cursor to the left direction by a character on the edit screen.
Right Navigation Key	move the cursor to the right direction by a character on the edit screen.
	come back to the idle screen
	number Chinese characters(1~6) on the screen (Press shortly) make a space (Press and hold)
1 – 6 	select Chinese character.

T9 Predictive Editing

T9 English mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	clear a character of the string entered on the edit screen or clears a character on the active word(the word remain active).
Left Navigation Key	move the cursor to the left direction by a character on the edit screen.
Right Navigation Key	move the cursor to the right direction by a character on the edit screen.
	come back to the idle screen
	make a space (Press shortly) – It means the previous word entry is accepted.
	stroke point "."
2 – 9 	select English character.
	switch English entry mode (abc → ABC → abc)

T9 Predictive Editing

English(ABC) mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	clear a character of the string entered on the edit screen or clears a character on the active word(the word remain active).
Left Navigation Key	move the cursor to the left direction by a character on the edit screen.
Right Navigation Key	move the cursor to the right direction by a character on the edit screen.
	come back to the idle screen
	make a space (Press shortly)
1 – 9 	select English & Arabic numerals.
	switch English entry mode (abc → ABC → abc)

T9 Predictive Editing

Number mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	clear a character of the string entered on the edit screen or clears a character on the active word(the word remain active).
Left Navigation Key	move the cursor to the left direction by a character on the edit screen.
Right Navigation Key	move the cursor to the right direction by a character on the edit screen.
	come back to the idle screen
	stroke number “0” (Press shortly) make a space (Press and hold)
1 – 9 	select Arabic numerals.
	Toggle characters (“*” → “+” → “P” → “*”)

T9 Predictive Editing

Symbol mode

Press	To
[Enter] **Left Soft Key**	accept the string entered on the edit screen, and then turns to the next menu or screen.
[Delete] **Right Soft key**	clear a character of the string entered on the edit screen or clears a character on the active word(the word remain active).
Left Navigation Key	page up the symbol set.
Right Navigation Key	page down the symbol set.
	come back to the idle screen
	make a space (Press and hold)
1 – 6 ~	select symbol character.

List of characters available in T9 Symbol mode:

! " $ % & ' ( ) + , - . / : ; < = > ?
@ [\ ] ^ _ ' { | } ~

Menu Functions

1 Messages

The SMS (Short Message Service) function is a network service and may not be supported by your network. Messages can be sent by fax, EMS, X400 and email format. Your network supports these services. Te sent text messages by phone, you must obtain the number of the SMS center from your service provider on the **S.C. number** menu (1.5.1)

When the icon appears, you have received new text messages. If the message memory is full, the SIM full message is displayed and you cannot receive any new messages. Use the **Delete** option in the **Inbox** menu.

Note : *The SMS service may not be available on all networks. Some network allows to be sent only within its own network.*

1.1 Inbox

Via this menu, you can view the new text messages or the read messages.

Sender phone numbers or names (if stored in the **Phonebook**) are displayed on the list.

If you choose the **[Select]** soft key, the following options are available.

- **Delete** : allows you to delete the viewed message
- **Reply** : allow you to reply to the sender.
- **Forward** : allow you to forward the message.
- **Call Back** : allows you to call the sender back.
- **Select Object** : allows you to save the objects(MVM) of incoming messages. You can see object [My contents] menu(1.8)
- **Save Number** : allows you to save the phone number of incoming messages.

1.2 Outbox

Via this menu, you can view the saved messages which have sent or unsent.

Send and **Delete** options are available.

1.3 Write Message

Via this menu, you can write a message and inset EMS objects..

1. Select [Write Message] menu in the [Message] menu.
2. Make a message. You can insert EMS objects to the message.
3. After you complete the message, press [Option] soft key(left) and choose one of following options.
   - **Send Only** : Sends the message to the recipient phone number. The message cannot be saved.
   - **Send & Save :** Saves the message, and send it to the required recipient.
   - **Save Only** : Saves the message so that it can be sent later.
   - **Cancel** : cancels the message sending.

Note : *If you receive a call while you are writing a message, the message will be backup and after hanging up the call, [write message] mode is displayed. You can finish the message without losing date.*

4. After choosing an option, enter the recipient phone number and press the **[OK]** soft key. You can input the number directly or get from the phonebook by pressing the **[Select]** soft key.
5. You can add recipients' phone number up to 20.
6. Message sending Success or Fail is displayed on the screen about all each recipients

1.4 Template

You can edit and delete message templates in this menu. You can store your usual using message up to 10. For example, "Hell, I am OOO", "Have a good day", "I Love you", etc. You can store 25 English letters in each template.

1.5 Message Setup

There are 3 menus for message setup.

1.5.1 SC Number

This menu allows you to store or change your SMS centre connecting number of required when sending messages. You must obtain this number from your service provider.

1.5.2 Default Type

This menu allows you to set the default message type (**Implicit, G3Fax, Voice, E-mail**). The network can convert the message into the selected format.

Note : *All formats may not be available on all networks*

1.5.3 Validity

This menu allows you to set the length of time for which your text messages will be stored at the message centre while attempts are made to deliver them to you. There are 7 setting options as following;

1 Hour / 6 Hours / 12 Hours / 1 Day / 3 Days / 1 Week / Max Time

1.6 Voice Massage

Your phone is capable of dialing with voicemail (if provided by your network). If the voicemail has arrived, your phone displays **new message** in the idle screen and sets to inform you of the arrival.

By selecting the **Listen to Message** (1.6.1), you can then listen to the voicemail. Your phone automatically dials to the configured number that has stored in **Number Setup** (1.6.2).

Note : *Voice mail is network feature. Please contact your service provider for more information.*

1.6.1 Listen to Message

via this menu; you can listen to the voicemails you have received.

1.6.2 Number Setup

via this menu, voice mailbox numbers can be stored.

1.7 Broadcast

This network service allows you to receive the broadcast messages on various topics such as weather, traffic, local district code, local hospitals, taxis or pharmacy in the area where you are. You can even receive the message to be in a particular language (For example, when you are abroad) by using **Language List** (1.7.4) option.

For more information about topics, please contact your service provider.

Messages are displayed immediately they are received, provided that;

- The phone is in the idle mode
- The **Setting** (1.7.2.) option is set to **On**
- The message channel is currently active in the channel list.

Note : *This service may not be available on all networks.*

The following options are available.

1.7.1 Read

Via this menu, you can read all the broadcasted text messages received. In title area of the screen, the name of the message subject item is displayed. The contents of the message subject are updated whenever new contents are received.

1.7.2 Setting

allows you to enable or disable the reception of the broadcasted text messages.

1.7.3 Channel

allows you to indicate the channels from which you wish to receive broadcast messages.

This menu allows you to read, add and delete the list by using **Read**, **New** and **Erase** option. The number of items in the list depends on your SIM card. All items you selected are displayed.

Note : *For more information about the available subjects, please contact your network service provider.*

1.7.4 Language

allows you to select your preferred language to be used when displaying cell broadcast messages. The number of languages you can select depends on your SIM card.

1.8 My Contents

You can delete the object you had downloaded. There are 3 types of object as following;

1.8.1 My Sound

1.8.2 My Picture

1.8.3 My Animation

2 MMS

The MMS (multimedia messaging service), also called Photo Message, allows end-users to send and receive messages containing multimedia content (including images, video, sound and text). It provides a rich media of personal multimedia messages from between mobile to mobile, mobile to e-mail, and mobile to web.

2.1 MMS Inbox

You can receive and store incoming messages in the MMS Inbox

When the MMS Inbox menu is selected, two lists of MMS Inbox status will appear;

2.1.1 MMS Received Box

: When the MMS Received Box is selected, lists of the received multimedia messages will display.

2.1.2 MMS Notice Box

: When the Notice Box is selected, lists of the noticed messages will display.

You can delete messages in MMS Inbox by pressing Clear key.

2.2 MMS Outbox

When the MMS Outbox is selected, lists of the unsent multimedia messages that are competed MMS Create will display.

You can delete messages in MMS Outbox by pressing Clear key.

2.3 MMS Sent

When the MMS Outbox is selected, lists of the sent multimedia messages will display.

You can delete messages in MMS Inbox by pressing Clear key.

2.4 MMS Create

This menu option allows you to add text, image, and sound and then send it out to multiple destinations. The option for Slide Duration is also available.

You can delete messages in MMS Outbox by pressing Clear key.

2.4.1 Text

: You can make the text message in English, Spanish, Number and Symbol.

2.4.2 Image

: You can add images to MMS message.

And, there are 3 categories of Image as below.

2.4.2.1 Default Image : 10 Images

2.4.2.2 Photo Image

2.4.2.3 My Image

2.4.3 Sound

: You can add sound to MMS message. And, there are 2 categories of Image as below.

2.4.3.1 Default Sound

2.4.3.2 My Sound

2.4.4 Slide Duration

: The attribute for each slide is the duration of the slide in the slide show. Again, the receiving client is free to modify the time of slide.

After making MMS message, if user pushes [OK] soft key and input the recipient phone number or E-mail address, Destination information will display. User can add Subject, CC, BCC and other recipients. User can change the message setup also if user wants. In Message setup, there are 3 menus as below.

- Message Class
  - a. Not Set
  - b. Personal
  - c. Advertisement
  - d. Information
  - e. Automatic
- Message Priority
  - a. Not Set
  - b. Low
  - c. Normal
  - d. High
- Delivery Time – Input Time<Hours>

> Note:
> Some networks do not support the user to send MMS as E-mail.

2.5 MMS Drafts

This message menu stores messages interrupted by an incoming call or messages that you did not complete MMS Create. If you want to complete MMS Create and send the MMS message, select this menu and choose the MMS message that you want to complete.

You can delete messages in MMS Draft by pressing Clear key.

2.6 MMS Delete All

This menu option allows you to delete all of the saved messages. You can also delete all

of your messages.

2.7 MMS Setup

Within the MMS sub-menu, you can define default values for those parameters which are common for mobile-originated messages. With this menu option, you can experience a more comfortable service. This menu option will display the MMS related parameter.

The options are Delivery Report, Read Only, Auto Download, Sender Visibility, and Time of Expiry.

2.7.1 Delivery Report

Feedback information provided to an originator of User Agent or VASP (Value Added Service Provider) by Multimedia Message Relay Server about the status of the delivery of a multimedia message.

There are 3 options as follow:

- Not Set
- On
- Off

2.7.2 Read Reply

Whether a read report from every recipient is wanted

There are 3 options as follow:

- Not Set
- On
- Off

2.7.3 Auto Download

This option allows you to set value for the auto download. Depending on the option you set, you can download messages automatically.

There are 2 options as follow:

- No
- Yes

2.7.4 Sender Visibility

This option allows you to send a multimedia message without disclosing sender identity.

There are 3 options as follow:

- Not Set
- Hide
- Show

2.7.5 Time of Expiry

This option allows you to set time when message expires and need not be delivered any longer. You can select the period in which the service center is to try to deliver message. Maximum period is that the service provider permits.

There are 2 options as follow:

- Max Time - Success
- Manual-Input Time

2.8 MMS Profile

- Activate : allows you to activate MMS.
- Profile Name : Enter Name(No or English)
- Server URL : Enter URL
- Bearer : set CSD or GPRS
- CSD settings
  a. IP address : Enter IP address
  b. Security : On or Off
  c. Dial-up number : Dial-up number
  d. Date call type : Analogue or ISDN
  e. Data call speed : auto, 2400, 4800, 9600, 14400
  f. Linger time : 30,60,180, 300, 600 sec
  g. User ID : Enter ID
  h. Password : Enter password
- GPRS settings
  a. IP address : Enter IP address
  b. Security : On or Off
  c. APN : Enter APN
  d. User ID : Enter ID
  e. Password : Enter Password

3 Call Record

Via this menu, you can identify all call records that you have dialed, received or missed.

The number and name (if available) are displayed, together with the date and time at which the call was made or received.

Note : *Your phone can keep up to ten numbers in each list.*

3.1 Received Calls

This menu lets you see the last 10 received calls.

In the list of received calls, you can view the details of the record by pressing the [**View Record**] soft key(left). In the view screen you can make a call to the number by Pressing Dial & Menu confirmation key.

There 4 options in [Option] menu as following;

- Save Record : allows you to save the record to the phonebook
- Delete : allows you to delete the record
- Send Message : allows you to send a message to the recorded number
- Call Back : allows you to call back to the recorded number

3.2 Dialed Calls

This menu lets you view the last 10 dialed calls.

In the dialed calls list, you can view the details of the record by pressing the [**View Record**] soft key(left). In the view screen you can make a call to the number by pressing Dial & Menu confirmation key.

There 4 options in [Option] menu as following;

- Save Record : allows you to save the record to the phonebook
- Delete : allows you to delete the record
- Send Message : allows you to send a message to the recorded number
- Call Back : allows you to call back to the recorded number

3.3 Missed Calls

This menu lets you view the last 10 missed calls.

In the missed calls list, you can view the details of the record by pressing the [**View Record**] soft key. In the view screen you can make a call to the number by pressing Dial

& Menu confirmation key.

There 4 options in [Option] menu as following;

- Save Record : allows you save the record to the phonebook
- Delete : allows you delete the record
- Send Message : allows you send a message to the recorded number
- Call Back : allows you call back to the recorded number

3.4 Delete Records

This menu lets you delete all call data of each category at once. There are 3 categories of call and [All Calls] as following.

3.4.1 Received Call : allows you delete all received call data

3.4.2 Dialed Call : allows you delete all dialed call data

3.4.3 Missed Call : allows you delete all missed call data

3.4.4 All Calls : allows you delete all call data in the upper 3 categories

3.5 Call Timer

This menu lets you view the timers for calls made and received. The following timers are available.

3.5.1 Last Call

length of the last call

3.5.2 Total Dialed

total length of all calls made since the last reset

3.5.3 Total Received

total length of all calls received since the last reset.

3.5.4 Reset Timer

allows you to reset the call timers

Note : *The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so forth*

3.6 Call Cost

You can view the cost of the last call, or of all calls. Costs are shown only if your network operator supports this service. The following options are available.

3.6.1 Last Call Cost

allows you to check the cost of the last call.

3.6.2 Total Cost

allows you to check the cost all calls.

3.6.3 Reset

allows you to reset the call cost

Note : Not all SIM cards support this feature. The number of items in these lists depends on *the contents of your SIM card.*

4 Camera

This phone has a 330k VGA Camera sensor (CMOS 640 X 480). You can enjoy yourself by taking photos and see the saved photos (or images). And this phone has some enhanced functions. There are 5 sub menus in [Camera] menu, [Take Photo], [Sticker Photo], [My Album], [Reset] and [Memory Status]

4.1 Take and Save a Photo

There are two camera keys – [Camera Key], one is in the middle top of your keypad and the other is on the left top of your phone. You can also use [Camera] menu after pushing left soft key to open main menus and choosing the third [Camera] menu. When you push one of the [Camera] keys in idle mode or choose [Take Photo] menu in [Camera] menu, camera sub menus will be displayed on the main display LCD.

Before taking a picture, you can set your camera. There are 4 setting functions in [Settings] as following and 2 more functions, [Bright setting] and [Zoom], you can use these two functions by pushing [Navigation Key];

4.1.1 Size

allows you to set the photo's pixel size between 320x240 and 160x120. Pixel size determines the size of photos. 320x240 pixel photos are 4 times bigger than 160x120 pixel photos.

Note : If you chose 320x240, it takes 4 times image size of 160x120.
In other words, the better quality of image, the more memory the photo uses up.

4.1.2 Self-Timer

allows you to set timer. If you set [Self Timer] on, it will take 7 seconds after pushing [Camera Key] to take a photo.

4.1.3 Shutter Sound

allows you to set shutter sound among three kinds of sound and [Not Active]. The sound makes you feel the sense of real while you take a photo.

4.1.4 Effect

allows you to set Image effect among 7 options, Normal, Black & White, Sepia, Fog, Cool, Warm and Negative. This function helps you make image effect easily.

4.1.5 Bright Setting

You can set the brightness of your photo by pushing [Navigation Key] right and left. This function helps you to take a photo in the dark.

4.1.6 Zoom

You can use [Zoom] function by pushing [Navigation Key] up and down. You can zoom in the image maximum 4 times.

There are more functions. You can use these functions by pushing short cut keys.

1. Rotate : Right soft key – when camera image is displayed you can rotate the image by pushing right soft key. As you push right soft key, the image rotate 90° each time.
2. Shutter : Camera key – after setting your camera, push one of camera keys to take a picture.
3. Cancel or Back : Cancel key – if you want to cancel your key pushing or go back to upper menu, push cancel key under the navigation key.

※ Navigation Key

1. When photo image is displayed
   A. Bright Setting (Right and Left)
   B. Zoom Setting (Up and Down)
2. When menus are displayed
   A. Option selection

Using these functions you can take a photo and save.

1. Choose [Take Photo] menu in [Camera] menu or push one of [Camera] keys.
2. Then camera view is displayed.
3. Rotate the folder and push [Rotate] key to adjust the image display to your view angle.
4. Set your camera using [Settings] or pushing navigation key right and left to set bright ness or up and down to set zoom.
5. After setting fit the view and take a picture by pushing one of {camera} keys.
6. And then if you want to save the picture select [Save record] soft key.
7. Enter the description and push [Save] soft key.
8. If you want to send the Photo you saved by **MMS**, select [Yes] when the popup open.

4.2 Multi Shot Photo

Allows you to take multiple photos without interruption.

4.3 Sticker Photo

You can make sticker style photos by using [Sticker Photo] menu. When you select [Sticker Photo] menu, a sticker frame appear on the main LCD and you can choose a sticker among 10 frames. After that, all functions are same as [Take Photo] menu.

4.4 My Album

You can see your photos in your phone by choosing [My Album] menu in [Camera] menu. When you choose the [My Album] menu, latest photo is displayed. You can see the other picture by pushing [Navigation key] right and left. You can also see 9 pictures at the same time using [Multi View] by pushing [OK] key. There are 4 options in [Menu] as following and 2 more functions, [Multi View] and [Enlarge];

4.4.1 Screen Setting

allows you to set the selected image as Idle screen.

4.4.2 Delete

allows you to delete selected Image.

4.4.3 Delete All

allows you to delete all images in your phone.

4.4.4 Edit

allows you to edit the description of selected picture.

4.4.5 Multi View – [OK] key

allows you to see 9 pictures at the same time. If you want to see a picture by full screen, select a picture using [Navigation] key and push [OK] key.

4.4.6 Enlarge – [Navigation] key up and down

allows you to enlarge a picture 4 times. You can move to and choose an area of 4 using [Navigation] key. There are 2 options as following;

1. Show Mini : Showing original picture on the right bottom corner and box displayed area in red.
2. Full Screen : Showing enlarged area by full screen without original picture

Note : If you set 160x120 or zoom, the picture will not be enlarged.

※ Picture Information

If you want to see the list of selected pictures, push [Info.] soft key.

4.5 Reset

If you choose [Reset] menu in [Camera] menu, all picture data will be deleted.

4.6 Memory Status

You can see your memory information of photo using [Memory Status] menu in [Camera] menu. It shows 2 kind of information as following;

1. Photo status : Total number of photos in memory
2. Memory status : Used memory and total memory for photos

4.7 MMS

You can send your picture to MMS by pressing 'Yes' button when your phone asks you for 'Send Picture?' after you save your picture.

5 My Folder

5.1 Calendar/Scheduler

The calendar helps you to keep track of memos, calls that you need to make, anniversaries, To-Do.

Choose first the date you want to see by moving Navigation key. And then press [**Option**] soft key.

There are 2 categories of schedule as following;

5.1.1 Anniversary

allows you to see the entry in this category. It is displayed only if there is a note saved on the selected category.

5.1.2 D-Day

allows you to see the entry in this category. It is displayed only if there is a note saved on the selected category.

If you press the [**Option**] soft key in the view screen of **Anniversary and To-Do.**

There are 7 options in both categories as following;

- **View** : allows you to see the selected note in detail.
- **Edit** : allow you to edit the selected note.
- **Add Entry** : allows you to add a new entry.
- **View Records All** : allows you to see all records in the selected category.
- **Delete Past** : allow you to delete all the past notes of the selected category.
- **Delete All** : allow you to delete the selected note.

  You can delete each record when you choose a date including record and then the records are displayed by selecting the record and pressing [Delete] soft key

When you are reading or adding or editing **Anniversary** memos.

There are 5 fields as following;

- **Date** : input due date
- **Time** : input specific time of event
- **Memo** : input text explaining the schedule
- **Melody** : choose melody for your reminding
- **Alarm** : choose alerting time before the time you set

When you are reading or adding or editing To-Do memos.

There are 4 fields as following;

- **Date** : input due date
- **Time** : input specific time of event
- **Memo** : input text explaining the schedule
- **Remind**: choose setting to remind among Daly, Weekly, Monthly and None.

5.2 World Time

This feature allows you to check the current time for Greenwich Mean Time (GMT) and 24 major cities around the world, using the right and left navigation keys.

The screen shows the ;

- City name
- Current date and time

To select the time zone in which you are located, proceed as follows.

Select the city corresponding to your time zone by pressing the right and left navigation keys. The local date and time are displayed.

5.3 Games

Using this menu you can also enjoy popular games on the phone.

1. Scroll to the desired game and press the **Select** soft key
2. The following options are available.

   Start : allows you to start a game

   Option : allows you to select the level. Select the desired level with Right and Left navigation key and press **OK** soft key

   Exit : allows you to come back to the main game menu.
   To come back to the idle screen, press the Menu exit key.

5.4 Calculator

Using this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions ; addition, subtraction, multiplication and division.

Using the calculator

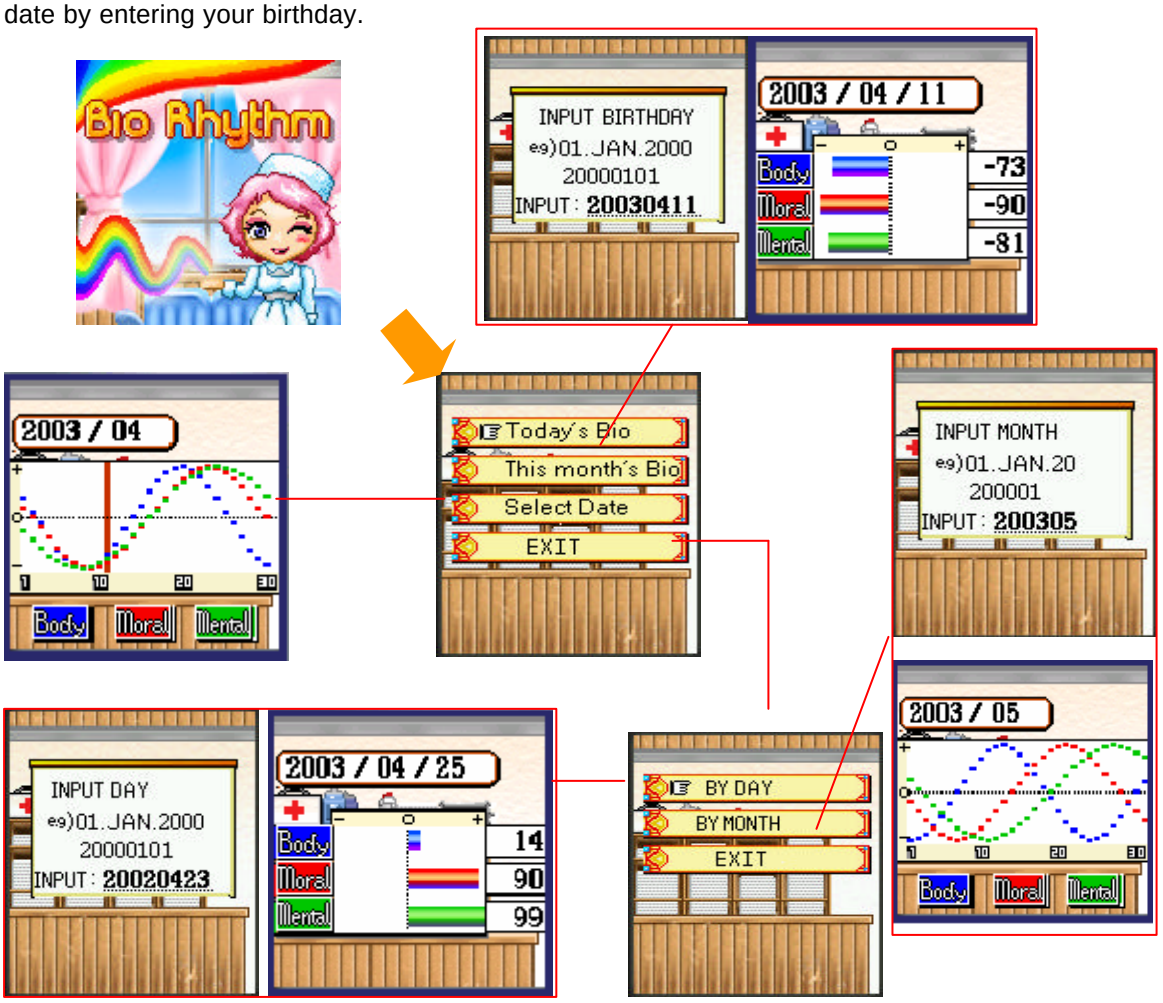
1. Enter the first number using the numeric keys.
2. Press the [**+**] (add), [**-**] (subtract), [**x**] (multiply), [**/**] (divide) soft key on the screen as below;

3. Enter the second number.
4. To calculate the result, enter the **[OK]** soft key.
5. Repeat Steps 2 to 4 as many times as required.

Note ; To erase any mistakes and clear the display, Press the **[Clear]** soft key.

5.5 Biorhythm

It allows you to see the biorhythms (physical, emotional, mental) for today, month and specific date by entering your birthday.



5.6 Unit Converter

You can convert Measures by this menu.

There are 5 types of converter as following;

- Length : Conversion between ㎝/m/㎞/in(inch)/ft(feet)/yr(yard)/mi(mile)
- Weight : Conversion between g/kg/t(ton)/gr(grain)/oz(ounce)/lb(pound)/slug
- Volume : Conversion between ㎤/㎥/l(liter)/in^3/yr^3/gal(gallon)
- Surface : Conversion between m^2/km^2/a/ha/ft^2/yr^2/acre
- Temperature : Conversion between ℃/℉

6 Settings

6.1 Time Setting

This option allows you to change the current time and date display. The following options are available.

6.1.1 Alarm

This menu allows you to set the alarm to ring at a specific time

The following options are available.

- Alarm Setting
  - Alarm Once
  - Alarm Daily
  - Mon. to Friday
  - Sat. to Sunday
- Easy Alarm
  - 10 Min. Later
  - 30 Min. Later
  - 1 Hour Later
  - 3 Hours Later
- Alarm Tone

  You can choose an alarm tone among 30 tones.
- Auto Power-On

  You can set on or off of [Auto Power-On]. If you set [On], your phone will power-on automatically at the setting time for alarm temporarily.

To stop the alarm when it rings, open the folder and press any key.

6.1.2 Time & Date Setting

This menu allows you to set the current time and Date displayed in the idle screen.

6.1.3 Time Format

allows you to select a time display type between12 Hour AM/PM type and 24 Hour type.

- 24-Hours
- 12-Hours

6.2 Sound Setting

You can use the sound settings features to customize various settings

6.2.1 Alert Type

The following types are available.

- **Ringing** : the phone rings the ringing tone selected via the [Ringing Tone] option (4.2.2.).
- **Vibrating** : the phone vibrates without ring.
- **Lamp** : the phone lights indicator LED only.
- **Ring & Vib.** : the phone vibrates and rings simultaneously.
- **Ring after Vib.** : the phone rings after vibrates

6.2.2 Ringing Tone

This option allows you to select the required ringing tone. You can choose between 30 different tones of bell and melody. And you can also choose between the tones you had downloaded. Each time you select a tone, it is played for a few seconds.

6.2.3 Message Alarm

You can set alert type and choose different alert tones for incoming message, outgoing message and voice message. If you want or not an alert while you are making a call, it is possible to set message alert on or off.

There are option menus as following;

- Setting Alert
  - Ringing : the phone rings the ringing tone selected via the [Ringing Tone] option (4.2.2.).
  - Vibrating : the phone vibrates without ring.
  - Ring & Vib. : the phone vibrates and rings simultaneously.
  - OFF : the phone lights indicator LED only.
- Setting Alert Tone
  - Incoming Message : choose among 5 tones
  - Outgoing Message : choose among 5 tones
  - Voice Message : choose among 5 tones
- Alert during Call
  - On
  - Off

6.2.4 Key Tone

This option allows you to select the tone that the keypad generates when you press a key

- Voice : 1,2,3,…, human voice key tone
- Piano : do, re, mi, …, piano sound tone
- DTMF : mechanical digital tone
- Water Drop : similar to water drop sound
- OFF : the keys do not make any sound

6.2.5 Volume Setting

This option allows you to adjust the ringing volumes of keypad, call alert, alarm and message alert. You can set different volume level for each.

- Keypad
- Call Alert
- Alarm
- Message Alert

6.2.6 Alert Setting

You can set the following alert tones on or off.

- Connection Tone
- Disconnection Tone
- Minute Elapsed
- No SVC Alert
- SIM Alert
- Low Battery Alert

6.3 Screen Setting

This menu allows you to set a screen in the idle mode to be displayed briefly when the phone is switched on.

6.3.1 Waiting Screen

This menu allows you to select an idling mode screen image and edit Banner. There are 4 menus as following;

- Image : choose one among 10 different images
- Calendar : change the idle display to Calendar
- Edit Banner : edit banner on the idle image

- Time Display : choose active or not active
- My Image : select an idling mode screen image between downloaded images

6.3.2 Screen Contrast

Adjust the contrast setting for your display.

6.3.3 Auto Backlight

You can select whether or not the phone uses the backlight. A marginal increase in standby/talk time can be achieved by turning the backlight off.

The following options are available.

- 15 seconds : The backlight comes on for 15 seconds.
- 30 seconds : The backlight comes on for 30 seconds.
- 60 seconds : The backlight comes on for 60 seconds.

6.4 Option Setting

Following menus are available.

6.4.1 Answering Type

This option allows you to select the way to answer an incoming call among 3 ways.

The following options are available.

- **Open Folder** : To answer a call, simply open the folder. If your phone was opened before a call is incoming, press [Send Key] to answer a call. To reject the call, press the Menu exit key and/or press and hold the Side key on the left side of the phone.
- **Open, Press Any Key** : To answer a call, at first open the folder and then press any key except the Menu exit key. To reject the call, press the Menu exit key and/or press and hold the Side key on the left side of the phone
- **Press Send Key** : To answer a call, at first open the folder and press the Send key. Other keys don' t work to answer a call.

6.4.2 Auto Redial

This option allows you to set redial automatically the latest call that did not make a call or the number that you choose, if you set [Auto Redial] yes. It will redial 5 times to make a call. To redial proceed as following.

- Open folder
- Select number. If you don't select number, the latest number will be redialed
- **Press dial key or hook button on your earphone when you are using earphone**
- **It will be redialed 5times to make a call**

6.4.3 Language

You can select a display language. The following options are available.

- **English**
- **Spanish**

6.4.4 Saving Mode

If you set [keypad Back Light] on, the keypad back light will not be lighting during day time. It can help you to save the battery and make the standby time longer.

6.4.5 PC Link

You can copy photo images from E52RCT to PC and Wallpaper and Ring tone from PC to E52RCT. If you want to use this function, select [PC Link] menu and connect E52RCT to PC. If you want to get more information about [PC Link], please see the

6.5 Security Setting

There are three types of security setting categories, and you can optimize security mode by choosing sub menus in "Phone Lock" category. This "Security function" will help you to keep privacy and to prevent other people from using without your allowance.

6.5.1 PIN Code

When the PIN setting feature is enabled, user must enter the PIN each time the phone is switched on. And before entering the PIN, the phone shall not be activated.

6.5.2 Phone Lock

There are three options for you to optimize security setting. Each options

- **Privacy**

When the Privacy feature is enabled, user must enter the password each time press touch any keys. And before entering the password, not available to make a call and or operate the phone. But the answering a call, receiving message and power on/off are available without entering the password.

- **Phone Lock**

  When the Phone Lock feature is enabled, user must enter the password each time the phone is switched on. And before entering the password, not available to make a call and or operate the phone.

- **SIM Lock**

  When the SIM Lock feature is enabled, the phone only works with the current SIM. If the phone is switched on with uncertified SIM, the phone shall ask the password. Once the correct password has entered, the phone shall work with uncertified SIM.

6.5.3 FDN Mode

When the FDN Mode feature is enabled, the person using this phone can call only the phone numbers stating with the numbers stored in FDN. To makes a call to the number not starting the numbers stored in FDN, you must enter the PIN2 to disable FDN mode. If the SIM card does not have PIN2, this feature is not supported.

In the FDN Mode, you can use several useful functions as following.

6.6 Reset

You can reset your phone. There are 2 types of reset as following.

6.6.1 Factory Reset

You can easily reset your phone to its default configuration by [Factory Reset] menu. In this case, the downloaded objects and phonebook records are not deleted and remained.

6.6.2 All Data

If you want to delete all kind of data in your phone without change of setting, select [All Data] menu.

Note : When you select [Reset] menu, remember you cannot recover the lost data.
If you cannot sure, DON' T RESET your phone!!

7 Network Service

These features are network services.

Please contact your network service provider to check their availability and subscribe to the feature if you wish.

7.1 Call Divert

This network service enables incoming calls to be rerouted to the number that you specify.

Example ; you may wish to divert your business calls to a colleague while you are on holiday. Call diverting can be set up in the following ways.

You must enter a number that the incoming call should be forwarded to.

7.1.1 All Calls

All calls are diverted.

7.1.2 When Not Answered

calls are diverted if you do not answer the phone.

Note : *A network may impose a constant time for the unanswered delay time.*

7.1.3 When Busy

calls are diverted if you are already making another call.

7.1.4 When No Service

calls are diverted if you are not in an area covered by your service provider.

7.1.5 Cancel All Divert

All call diverting options are cancelled.

Note : *The phone sends your settings to the network and the network's acknowledgement is displayed. You can deactivate all call diverting settings by selecting the* ***Cancel All.***

The following options for each service are available:

- **Activate** : Activates the call diverting service selected.
- **Check Status** : Displays the current status of the call diverting service selected.
- **Cancel** : Cancels the call diverting service selected.

7.2 Call Wait

This network service enables you to be informed when someone is trying to reach you during another call. You can specify the call waiting option for voice calls only.

The following options are available.

7.2.1 **Active** : Activates the call waiting service.

7.2.2 **Check Status**: Displays the current status of the call waiting service.

7.2.3 **Cancel** : Cancels the call waiting service.

7.3 Call Barring

This network service allows you to restrict your calls.

Call barring can be set up in the following ways

7.3.1 All Outgoing : calls cannot be made.

7.3.2 International : international calls cannot be made.

7.3.3 Int' l Except Home : When abroad, calls can be made only to numbers within the current country and to your home country that is the country where your home network provider is located.

7.3.4 All Incoming : calls cannot be received.

7.3.5 Incoming Roaming : calls cannot be received when you are using your phone outside your home service area.

7.3.6 Change Password : You can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

7.3.7 Cancel All Barring : all call barring settings are deactivated. Calls can be made and received normally.

Following options for each service are available.

- **Activate** : Activates the call barring service selected.
- **Check Status** : Displays the current status of the call barring service selected.
- **Cancel** : Cancels the call barring service selected.

Note : *The phone sends your settings to the network and the network's acknowledgement is displayed. You can deactivate deactivates all call diverting settings by selecting the* ***Cancel All.***

7.4 Caller ID

If you don' t want to send your phone number, select [Hide Number] menu.

7.4.1 **Send Number**

7.4.2 **Hide Number**

Note:

Some networks do not allow the user to change this setting.

7.5 Network Selection

The Network Selection feature enables you to indicate whether the network used when roaming (outside your home network area) is searched automatically or manually.

Note : *You can select a network other than your home network only if it has a valid roaming agreement with your home network.*

7.5.1 **Automatic** : you are connected to the first available network when roaming

7.5.2 **Manual** : the phone scans for the available network.

8 STK

There are so many type of SIM. You should check the function of your SIM. If you have any question please call to AS centre.

9 WAP

You can connect to WAP site by this phone, and use the services provided by the sites. The WAP browser works as Internet browser of PC. And the services are provided by the connected sites.

9.1 Home

When you choose [Home] menu, WAP browser opens main page of home site that you had activated among the sites in [Profile].

9.2 Resume

When you choose [Home] menu, WAP browser opens the latest WAP page.

9.3 Bookmarks

You can make bookmarks data in your phone. And, you can connect to the site directly.
There are 3 options as fallowing.

- Connect : connect to the bookmarked WAP page
- Edit : edit the name and URL of selected entry
- Delete : delete selected entry

9.4 Go to URL

If you know the URL of site, you can go to the site directly by inputting URL.

9.5 Profiles

There are 5 profiles of sites in this phone. You can activate one of them as a home site and change or set the each profile.
There are 5 menus as following.

- Activate : activate selected site as a [Home] of WAP
- Profile name : show the name of selected site
- Homepage : show the URL of selected site
- Bearer : choose between GPRS and CSD
- GPRS Setting or CSD Setting : The Setting menus are different between GPRS and CSD
  - For GPRS
    - IP Address / Security / APN / User ID / Pass Word
  - For CSD
    - IP Address / Security / Dialup Number / Data Call Type / Data Call

Speed / Linger Time / User ID / Pass Word

- Factory Reset : reset selected site profile as a default configuration.

9.6 Clear Cache

If you want to clear all data in your cache, press [Clear Cache] menu.

SIM AT Service

SIM Card provides several value added services other than Handset does.

These functions will only display and work on the menu of the phone when your SIM card is supported. This menu may not be shown depending on the SIM card.

The content and the terms of the function lists will depend on your network service provider.

Please contact your network service provider (a network operator or the service provider) in regards with availability of any services related to the SIM card, application information and the costs.

Note : *Please be aware that you may be charged due to activated SMS or Call when you perform those services. The text of SIM AT menus may be different from the your phone language setting because the text directly comes from your SIM card*

Solving Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service all.

When you switch your phone on, the following messages may appear

Insert SIM Card

Check that the SIM card is correctly installed.

Phone Locked Enter Password

The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The option requiring that the PIN be entered each time the phone is switched on was enabled. You must enter your PIN and then disable this option if so required.

Enter PUK

The PIN code was entered wrongly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

"No service" is displayed

- The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again.

You have entered a number but it was not dialed

- Have you pressed the Dial & Menu confirmation key?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

Your correspondent cannot reach you

- Is your phone switched on (Power on/off key pressed for more than two seconds)?
- Are you accessing the right cellular network?

  You may have set an incoming call barring option.

Your correspondent cannot hear you speaking

- Have you switched off the microphone?
- Are you holding the phone close enough to your month? The microphone is located at the bottom of the phone.

The phone starts beeping and “Low Battery” flashes in the display

The battery is insufficiently charged. Replace the battery and recharge it.

The audio quality of the call is poor

- Check the signal strength indicator in the display ( ); the number of bars after it indicates the signal strength from strong (to weak ( ).
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialed when you recall a phonebook entry

- Check that the numbers have been stored correctly, by using the Phonebook Search feature.
- Re-store the number, if necessary.

Using The Batteries

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network' s base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life..
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0℃(32℉).
- Do not short – circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag.
- Short – circuiting the terminals may damage the battery or the object causing the short – circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

Call Barring

Ability to restrict outgoing and incoming calls

Call Diverting

Ability to reroute calls to another number

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call

DCS

Digital cellular network standard based on the GSM network architecture - With the higher frequency range (1800 MHz for DCS instead of 900 MHz for GSM), more radio channels can be made available, thus allowing the network to support more subscribers and traffic.

Tri Band

Ability to operate with PCS (1900MHz) DCS (1800 MHz) and GSM (900 MHz) networks - The phone automatically uses the network with the strongest signal and even switches networks during a call within the same operator' s network.

GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators - GSM covers most European countries and many other parts of the world.

Phone Password

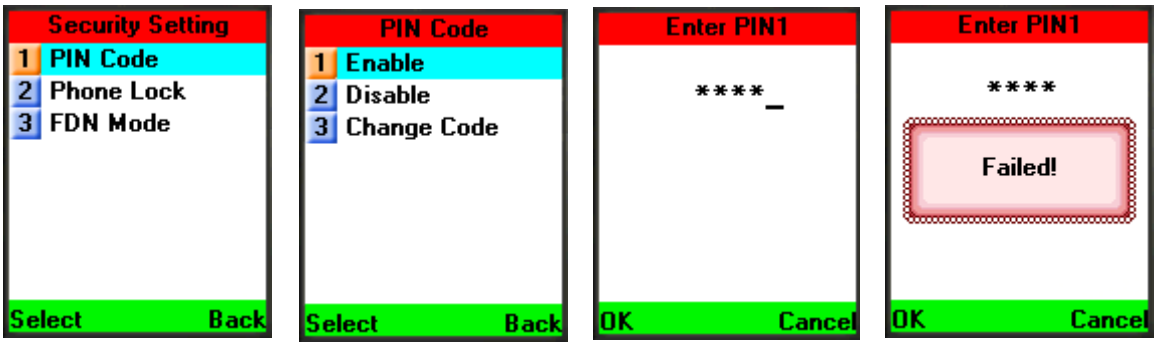
Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

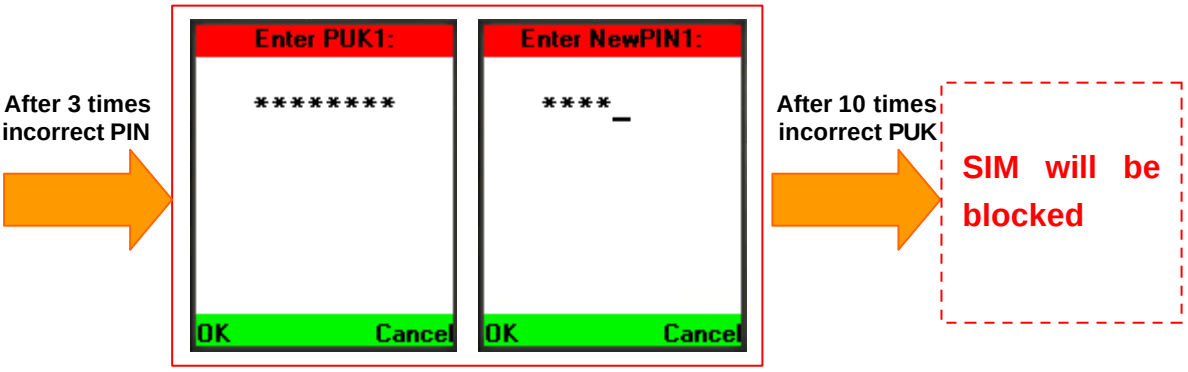
PIN (Personal Identification Number)

Security code protects the phone against unauthorized use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

PUK (PIN Unblocking key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.





Roaming

Use of your phone when you are outside your home area (when traveling for example)

SDN (Service Dialing Numbers)

Telephone numbers supplied by your network provider and giving access to special services, such as voice mail, directory inquiries, customer support and emergency services

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber' s personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service) – EMS Extended

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent - The message created or received can be displayed, received, edited or sent.

Soft Keys

Two keys on the phone, the purpose of which:

＊Varies according to the function that you are currently using

＊Is indicated on the bottom line of the display just above the corresponding key

Voice Mail

Computerized answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

Unpacking

The following items are included in your package:

- Phone
- Battery
- User Manual
- TRC Charger
- Cigarette Lighter Adapter
- Hand Strap
- Wearable Headset

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTE NTIALLY EXPLOSIVE ATMOSPHERES

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

.

INTERFERENCE TO MEDICAL DIVICES

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

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

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna.

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

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

FCC Compliance Information

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

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

Information to User

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

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

SAFETY INFORMATION FOR RF EXPOSURE

Body worm operation

This device was tested for typical body-worn operations with the back of the phone kept 25 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 25 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR INFORMATION

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

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **1.28 W/Kg** and when worn on the body, as described in this user guide, is **0.215 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on **FCC ID: RV2E52RCT**

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

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

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION

RADIO FREQUENCY INTERFERENCE STATEMENT

INFORMATION TO THE USER

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

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

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

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