# VK520

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# Important Safety Precautions

Read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal. For more information, read "Safety Information" on page 133.

Road Safety at All Times
Do not use a hand-held phone while driving; keep in mind that you should park the vehicle first or use the ear-microphone, if having to make a call. Phoning while driving is an illegal act all over the world.

Switching Off When Refueling.
Do not use the phone at a refueling point (service station), or near dangerous explosives.

Switching Off in Aircraft.
Wireless phones can cause interference and danger. Using them in aircraft is illegal.





Switching Off in Hospitals.
Follow any regulations or rules in force. Switch off your phone near medical equipment.

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

Interference
All wireless phones may be subject to interference, which could affect their performance.

Consulting with Assigned Service Center: Consult with the service centers assigned by VK if any after-sales service is needed.

Sensible Use: Avoid unnecessary contact with the antenna when the phone is switched on.

Accessories and Batteries : Use only VK-approved accessories and batteries. For travel adapter, especially, use VK-only one. If not, the phone may get damaged.

## Lists of Menu Functions

### 1. Display

- 1-1: Standby Select
  - 1-1-1: Images
  - 1-1-2: Animation
  - 1-1-3: Calendar
  - 1-1-4: Clock
  - 1-1- 5: Zodiac
  - 1-1-6: My Images
  - 1-1-7: Sub LCD
- 1-2: Power on / off
- 1-3: Incoming call
- 1-4: Outgoing call

### 2. Sound

- 2-1: Alert
- 2-2: Welcome
- 2-3: Good Bye
- 2-4: Keytone

### 3. Setting

- 3-1: Phone Set
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  - 3-1-3: Answer Key
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- 3-3: Private
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    - 3-3-1-2: All Calls
    - 3-3-1-3: Received Call
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    - 3-3-1-5: Reset
  - 3-3-2: Call Record
    - 3-3-2-1: Dialed No.
    - 3-3-2-2: Received No.
    - 3-3-2-3: Missed No.
    - 3-3-2-4: Delete All
  - 3-3-3: FDN
  - 3-3-4: PIN
  - 3-3-5: Change PIN 2
  - 3-3-6: Password
- 3-4: PC Sync Set
  - 3-4-1: Connect
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Important Safety Precautions

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  - 4-1-1: Search All
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  - 4-1-4: By Phone No.
  - 4-1-5: In Phone
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  - 4-1-7: SDN
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  - 4-3-1: Name List
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  - 4-3-4: Rename Group
  - 4-3-5: Group Melody
- 4-4: Own Number
- 4-5: Copy
- 4-6: Move
- 4-7: Delete
- 4-8: Memory Status

## 5. Message

- 5-1: Write
- 5-2: Inbox
- 5-3: Drafts
- 5-4: Outbox
- 5-5: Info. Msg.
- 5-6: Listen Voice Msg.
- 5-7: Media Library
- 5-8: Memory Status
- 5-9: Setting

## 6. PIMS

- 6-1: Scheduler
- 6-2: Alarm Set
- 6-3: Memo Box
- 6-4: Calculator
- 6-5: D-Day
- 6-6: Bio Rhythm
- 6-7: Unit Convert
- 6-8: World Time

## 7. Camera

- 7-1: Photo Shot
- 7-2: Serial Shot
- 7-3: Motion Shot
- 7-4: Sticker Shot
- 7-5: Photo Studio
- 7-6: Photo Mail
- 7-7: Photo Box
- 7-8: Motion Box
- 7-9: Setting

## 8. Game

- 8-1: Jump Jump
- 8-2: Prince Princess
- 8-3: Photo Puzzle
- 8-4: Space Ball

## 9. Internet

- 9-1: Home
- 9-2: Bookmarks
- 9-3: Go to URL
- 9-4: Setting
- 9-5: History

# Prior to Use

Names of each part



# Prior to Use

## ■ Unpacking

| Phone | Battery | Travel adapter | Battery Charger | Owner's manual | Handstrap | Ear-microphone |
|---|---|---|---|---|---|---|

## ■ Optional Items

| PC Sync | PC Sync Connection Cable |
|---|---|

The travel adapter may be different depending on the country.

## Phone Layout and Keys Function

## Key Description

Makes or answers a call. In Standby Mode, accesses the call record list. Using this key, you can quickly and conveniently enter a text.

Ends a call. When pressed and held, switches the phone on and off. Pressing this key when selecting options, you can cancel your input or return to Standby Mode.

Perform the functions indicated by the text above them, on the bottom line of the display.
In standby mode, press the CLR key for 2 seconds, to use the Main LCD as a Mirror.

Scrolls through the menu options to select the options. In Standby Mode, the Left key enters "Message", the Up key enters "Camera", the Down key enters "Sound & Game" and the Right key enters "Phonebook".

In Standby Mode, launches the WAP (Wireless Application Protocol. For text input, changes the input modes.

Enters numbers, letters and some special characters. When pressed and held in Standby Mode, No. 1 key quickly accesses your voice mail service.

* When pressed and held, enters or exits the Manner/Normal Mode.

# When pressed and held, enters or exits the Key Lock Mode.

(On the left side of the phone.) During a call, adjusts the earpiece volume. In Standby Mode, adjusts the key tone volume. When the phone is closed, the brightness of the front display can be adjusted, and date and time can be displayed. When the ear-microphone is connected, this key can receive or end a call.





## Display Icon Description

Shows the received signal strength. [ : Strong : Weak ]

Appears when a call is in progress

Appears when you are out of a service area.

Appears when international roaming service is enabled

Appears when your message box is full. [ SIM Phone ]

Appears when you have new or unread message.

Appears when you set the alert type for incoming calls to Vibration.

Appears when you set the alarm(s) to ring at a specific time.

Shows the level of you battery.
[ Full Deficient Needs charging ]

## ■ Inserting /Removing the SIM Card and the Battery

1. To remove the battery

① Slide and hold the catch in the upper part of the battery over the upper part of the phone.
② Remove the battery as shown in the figure.

2. Insert and slide the SIM card to the left side of the card slot, ensuring that the contacts of the card face down and the notched corner is top right.

3. Reinstalling the Battery

① Place the battery back on the phone, making sure the protruded part of the battery placed into corresponding charging slot on the phone.
② Slide the battery down until you hear "clicking" sound. Ensure that the battery is correctly installed before switching the phone on.





## ■ Charging a Battery

**When Charging the Battery Only, Use the battery charger.**

1. Place the battery into the charger, making sure that the charging part of the battery contacts corresponding part of the charger.

2. Slide the battery until "clicking" sound is heard.

3. Connect the connector of the travel adapter to outer the connector of the desktop charger.
   Connect the charger to the power outlet.

The battery indicator of the charger will indicate the charging progress with the following colors:
-Red: The battery is charging.
-Green: The battery is completely charged
After charging is completed (when the battery indicator flicks green),
Pull out the charger cord and remove the battery from the charger.

**When Charging the Battery on the Phone,**
You can use the phone while the battery is being charged.

1. Plug the connector of the travel adapter into the outer connector of the phone.

2. Plug the charger into the cord.

3. When charging is completed (when battery indicator changes to Green), pull out the charger cord from the power outlet before disconnecting the cord from the phone.

# Basic Functions



# Basic Functions

## ■ Switching the Phone On/Off

Hold down the below key more than 1 second to switch the phone on/off.

**Note:** When switching the phone on without the SIM card installed, the phone notifies that you have not installed it. At this time, you can make an emergency call using the SOS key but cannot use the phone for other purposes.

## Making a Call

You can make a call by following the procedures below:
1. When the standby screen is displayed, enter the area code and phone number.
2. Press the key to make a call.

**Note:** When having entered a wrong digit, you can clear the digit by briefly pressing the cancel key. Pressing and holding the cancel key for more than one second will clear all digits you have entered. When selecting the area code, enter the phone number according to the procedure. (For further details, see page 45.)
➔ Pressing the key or closing the folder will finish your call.





### Making an International Call

1. Press and hold the 0 key (for about 2 seconds). The character # appears.
2. Enter the country code and phone number.

### Making a Call from Phonebook

You can make a call by pressing the number saved in your Phonebook.
For further details, see page 41.

### Speed-dialing

You can make a call by pressing the entry number(s).
In phone: Press the associated number for more than one second.
In SIM card: After pressing the * key, press the associated number for more than one second.

### Redialing

You can redial the last number by pressing the key twice in Standby Mode.
As your recent outgoing log is saved in the phone, you can make a call to any number of the log.

## Answering a Call

When somebody calls you, the phone rings or vibrates.
If you use the CID (Caller ID) service, the caller's phone number will display.
(Or the caller's name if saved in your Phonebook is displayed.)

**Note:** 1. When closing the phone, you can answer a call by pressing the key or function key.
2. When answering a call with ear-microphone connected, press the send key or the button on the ear-microphone.
3. You can end a call by pressing the key or closing the folder.





## Viewing Missed Calls

The number of missed calls is displayed on the standby screen. Pressing the Back key will clear missed calls.
By pressing the key, you can find out who was calling you.

| To... | Press the |
|---|---|
| find out missed calls | the key, or the key. |
| dial the number displayed | the key. |
| save or cancel missed calls | the selection key. (See below.) |

## Using Ear-microphone

With the ear-microphone supplied with the phone, you can make or answer a call without holding the phone.
Connect the ear-microphone to the jack at the left side of the phone.
To answer a call, press the button for 1 second.
To end a call, press the button for 1 second.

**Note**: Correctly fit the ear-microphone into the jack.





## Manner Mode

Manner mode is convenient when discretion is required and you want to prevent the phone from making noise while still wishing to receive a call, in a public area or at a meeting for example. After a call is ended, the phone will be continuously in Manner Mode.

- To **Set** : To set: press and hold the * key.
- To **Clear** : Press and hold the * key.

## Phone Lock

You can answer a call even when this feature is enabled. The feature will keep enabled even if you switch the phone on after switching it off.

- To **Set** : Press and hold the # key.
- To **Clear** : Press and hold the # key to enter a password.

The password is preset to "0000" at the factory.

## Options During a Call

You can use a number of control functions during a call. Any option on the screen setting page is available: however, this feature is available only during a call.

**[Putting a Call on Hold]**

This feature is available whenever you want. You can make or answer a call while you have a call in progress if the network service is supported.
If one call is on hold, you can reactivate the call by pressing the Right key, or pressing the OK key after pressing the Send key on the Options key to make sure you return to the call.
Ending a call in use: finishes the call you are making.
Ending a call on hold: finishes the call on hold.
Ending both calls: finishes both calls.
Adding a call: during a call, you can call another person.





**[Switching the Microphone Off]**

You can switch your phone's microphone off so that the other person cannot hear you.
Note: Use this feature when you wish to converse with another person but do not want the calling person to hear you.
To cancel: after pressing the Options key, select the "Turning Mic On" option.

**[Sending DTMF]**
You can automatically send the number entered on the screen.

**[Phonebook]** : You can consult the phonebook during a call.

**[Text Input]** : You can receive or send a text during a call.

**[Private Call]** : Use this feature while Meeting Call is enabled when you want to talk with a specific person.

**[Options]** : You can select the menu options during a call.

**[Call Divert]** : When another call is received during a call, you can answer the last received call or keep the call you are making on hold. Using this feature, you can switch between the calls.

**[Conference Call]** : Use this feature to set all calls to not standby mode but call mode.

**[Volume Adjust]** : To adjust volume, use the volume adjust button on the left side of the phone.

# Call Functions


- Phone Book
- Call Records
- Enterting Text
- Message
- Display
- Sound
- Setting
- PIMS
- Private
- Game
- Internet




# Phonbook

**In the Menu option, briefly press the key and then the Phonebook or the key.**

You can save names and phone numbers in the SIM card or the phone. The SIM card and the phone are separated but called as "Phonebook" as one source of information.

## Storing of Phone Number Displayed on the Screen

Enter a phone number ▶ Save ▶ Select Phone or SIM card ▶ Select the key ▶ Save Name ▶ Select the key, Storing completed

**Note**: 1. For text input mode. see page 55
2. For further entering phone number method. see page 41.

## Search

You can search for a number in the phonebook.

**Search All** : Finds out all the phone numbers saved. (Both phone and SIM card are available)

Select (Menu) No.4 ▶ No.1

Phone numbers saved in the phone.

Phone numbers saved in the SIM card.

**Note** : 1. To dial the number you select, press the key.
2. In Standby Mode, Phonebook appears above the Right key, which allows accessing to Phonebook.





**By Entry No.:** You can make a call by pressing the entry number.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No. 2 ▶ Enter an entry number, and then select the key.

**By Name:** You can make a call by using name.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No. 3 ▶ Enter a name, and then select the key.

**By Phone No.:** You can make a call by using number.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No. 4 ▶ Enter a number, and then select the key.

**Note** : 1. Entering one character of the name you want to search will display all the associated names.
2. searching without entering any entry number. name, number will show all the numbers stored in both the phone and SIM card.
3. You can dial the number seached to press the key.
4. For further details on character entering. see page 55.

**In Phone:** You can find out the number you want in the phone.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No.5 ▶ Search all the numbers in the phone

**In SIM Card :** You can find out the number you want in the SIM card.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No.6 ▶ Search all the numbers in the SIM card

## SDN

This means SDN (Service Destination Number) provided on the network.
The number includes emergency call, phone number information service and voice mail.





## IDD Search

You can find out the area number you want.
Select (Menu) ▶ No.4 ▶ No.1 ▶ No.8 ▶ IDD Search.

## Scratch Pad

Pressing the Save key after entering the number you wish to remember during a call, you can find out the number in Scratch Pad.

**Note** : 1.When finding out the area number. Press the remaining digits of the phone number and press the key to make a call.
2. For text input mode, see page 55.

## Add Name

You can save up to 400 phone numbers in your phone, respectively.
For convenience's sake, save the numbers you frequently use.

Select (Menu)
No.4 ▶ No.2
Select phone of SIM card

After scrolling through the menu by selecting or ,select an entry number.
After scorlling through the menu by selecting or ,enter a number.

**Note** : 1. You can store only one number by one person in the SIM card.
2. You can storeup to 400 phone numbers in your phone.
3. You can set groups and assign different ringtones by each group.(Caution: The SIM card offers no ringtone assigning feature. but allows groupsetting.)
4.For text input mode. see page 55.





### Caller Groups and Ringtones

After scrolling through the menu by pressing or ,select a group.(For group adding method)
After scorlling through the menu by pressing or ,select a ringtone.

**Note** You cannot set any ringtone when storing in the SIM card.

## Callers Groups

You can set phone numbers by different groups.

Select (Menu) No.4 ▶ No.3 → CALLER GROUPS: 1 Family, 2 <Empty>, 3 <Empty>, 4 <Empty>, 5 <Empty>, 6 <Empty>, 7 <Empty> → Select ▶ Group Name Input ▶ Ringtone Select ▶ Select

**Note** For the information of entering text, see page 55.





### Options

**Name List:** Shows the member associated with the group.
**Add:** In the Add option of Phonebook, you can add, save the number of the Phonebook to the associated group.
**Delete:** You can delete a group.
**Change Name:** You can change the name of a group.
**Melody Set:** You can set the ringtone by group.

## Own Number

This feature allows:
- Storing your own phone number in the SIM card.

It helps your memory. If necessary, you can find out your own number using this feature.
Any changes made in this feature have no effect on the user's actual phone number in the SIM card.

Select (Menu) No.4 ▶ No.4

Select ▶ enter a name
Select ▶ store a number
Select





## Copying and Moving of the Phone Number

**Copying and Moving of the Selected Number**
You can copy and move the selected number between your phone and the SIM card.

**Copy**

Moving: Select Option ▶ Press the selected option ▶ Move ▶ Assign an option ▶ OK

**Copy and Move**
Copy / Move
You can copy and move phone numbers between your phone and the SIM card.

**Select One By One:** Copies and moves only the selected number.
**Select Copy All or Move All:** Copies and moves all the number saved in your phone and the SIM card.
When selecting Copy All and Move All, you can copy all the numbers after setting target position.





## Delete

You can delete the phone numbers in your phone and the SIM card.

**Delete the Selected Option Only**

Option to be selected
Option to be deleted

**Delete**

If selecting One By One, you can delete the number you want when all phone numbers are displayed.
If selecting Delete All, you can delete all the saved numbers by selecting your phone or the SIM card.

**Note:** Deleting requires your password entering, the preset password is “0000”

## ■ Memory Status

This feature allows you to check how many names and numbers are currently saved in your phone's memory (including the SIM card and phone). You can check the respective memory capacity.





# Call Record _

It shows a list of the recent incoming, outgoing, missed calls.
Redialing is available not only in Outgoing, but also in Incoming and Missed Calls. If the number(s) is (are) saved in Phonebook, corresponding name(s) will be displayed.

**Dialed No :** It saves and displays up to 20 phone numbers you dialed.
**Received No :** It saves and displays up to 20 phone numbers you received.
**Missed No:** It saves and displays up to 20 phone numbers you failed to answer
**Delete All:** Deletes all incoming, outgoing and missed calls.

In Standby Mode, when you make or end a call, corresponding number is automatically displayed on the screen.
**Edit**: Allows editing and storing the number(s) selected in the menu.
**Delete**: Deletes all the selected number.

# Entering Text

When using your phone, you will need to enter text at many times; for example, when storing a name in the Phonebook, creating a greeting note, writing a text message or scheduling events in your calendar.
You can change the text input mode using the Send key. The following text input modes are available:

• **eZi English :** Allows you to enter the English letters by pressing each key only once for each character.

**Note :** eZi text input method allows you to enter text easily and quickly. Simply pressing each key only once for each character, you can get the words you want. Furthermore, the candidate is predicted along with other candidates that fit the letterstyped thus far. So, you do not need to input entire characters to make a word.





• **ABC :** Allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter appears on the display.

• **Numeric :** Allows you to enter numbers.

• **Symbol :** Allows you to enter the symbols or punctuation marks.

• **Dictionary :** Allows you to add new words into the internal database for the eZi English mode.

## eZi English Mode

This mode allows you to enter English words with only one keypress per letter.
Each key on a keypad has more than one letter-a single press on the **5** key could be J, K, or L. The eZi English made automatically compares your key presses to an internal linguistic database to determine the correct word.

This mode requires far fewer keystrokes than the traditional multi-tap method (ABC mode).

Typing English Words

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing :

1. Press keys on the phone just once per desired letter. For example, to enter 'hello', press the following keystrokes : **4**, **3**, **5**, **5**, **6**.

2. The word you are typing appears in the display. It may change with each key you press.

3. Type to the end of the word before editing or deleting any keystrokes.





4. Complete each word with a space by pressing the **0** key.

If the word that appears in the display is not the word that you desire, press the key one or more times to display alternate word choices for the keys you have typed. (For example, 'of ' and 'me' both shares the sequence **6**, **3**) The phone displays the most commonly used choice first.

**Note :** The phone displays all the words which is containing the letters you have entered. By doing this, the eZi mode saves you typing extra keypress.

### Smart Punctuations

Full stop, hyphen, and apostrophe are available on the **1** key. The eZi mode applies rules of grammar to insert the correct punctuation.
Notice that the **1** key is used twice in this example to display two punctuation marks:

### Clearing Characters

Press the CLR soft key one or more times to remove characters from the text area.

## ABC Mode

When typing in ABC mode, you should press key labeled with the required character:

- Once for the first character.
- Twice for the second character and so on.

For example, you press the **2** key three times quickly to display the character “C”, the **5** key three times quickly to display the character “L”.
So, this method is called Multi-tap typing.

The cursor moves to the right when you press a different key. When entering the same character twice (or a different character on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next character.





### Shifting a Case

To shift the case of the next characters that you type, press the key one or more times.
There are two shift states:
Lower Case is indicated by **abc** in the display, and Capitals Lock is indicated by **ABC**.

### Scrolling

- To move the cursor left or right through your text message, press the or key.

| Key | Characters in the Order Displayed | |
|---|---|---|
| | ABC | abc |
| 1 | . , ; ! ‘ “ ( ) 1 | . : _ - / & = ? @ |
| 2 | A B C 2 | a b c 2 |
| 3 | D E F 3 | d e f 3 |
| 4 | G H I 4 | g h i 4 |
| 5 | J K L 5 | j k l 5 |
| 6 | M N O 6 | m n 0 6 |
| 7 | P Q R S 7 | p q r s 7 |
| 8 | T U V 8 | t u v 8 |
| 9 | W X Y Z 9 | w x y z 9 |
| 0 | 0 | 0 |

**Clearing Strokes and Characters**

Press the CLR **CLR** key one or more times to remove characters from the Text Area.

For list of characters available see table.

## Numeric Mode

Numeric mode is indicated by **123**. It enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

## Symbol Mode

Symbolic mode enables you to enter symbols into a text message.

To scroll through the available symbol categories, press the or key. When you see the desired symbol on the display, press the appropriate number key (1 to 9) to insert the symbol. The phone automatically switches back to the text entry mode used just prior to selecting Symbolic mode.

# Message

This is a network service.
Using this program, you can enter, send, receive, check and edit a text.

## ■ Write

**Entering and Sending a New Message**
Using this feature, you can send your text to other person.
Select ▶ No.5 ▶ Write ▶ Messages ▶ Text Input ▶ Select "Send" ▶ Number Input ▶ Send text message

**Inserting Images**
Select ▶ No.5 ▶ Write ▶ Messages ▶ Text Input ▶ Select ▶ No.3 ▶ Select Multimedia (such as images, animations and sounds) ▶ Select an image ▶ Select "Option" ▶ Select "Send" ▶ Send a text message





## ■ Multimedia

Entering and Sending a New Message
Using this feature, you can send your text to other person.

**Slide**
This feature allows you to send several images, ringtones and so on at once. One slide can contain one image and one sound, respectively, and multiple slides can be sent at once.

Putting Ahead of the Slide: In the current screen, you can put a slide you want to add ahead of the current screen.
Putting Back of the Slide: In the current screen, you can put a slide you want to add back of the current screen.
**Time Setting:** You can automatically turn multiple slides in a set time.
**Location Setting:** You can move to the slide you want, in the order you set when there are multiple slides.
**Preview:** You can check the finished slide before sending it.

## Inbox

**Selecting the Options**
Select Inbox ▶ Select Saved Message ▶ Search a message ▶ Select Options ▶ Delete /reply /transfer/dial /store phone number separately /Save multimedia separately /Save in the SIM card /Delete All
Or Select Inbox ▶ Select the Message Saved in the SIM card ▶ Search a message ▶ Select Options ▶ Delete /reply /transfer/dial /save phone number separately /Save multimedia separately
**Delete:** deletes the selected message.
**Reply:** Sends a reply.
**Transfer:** Sends the received message to other person. You can send the message, which is edited or not.
**Dial:** You can make a call to the person who sent a message to you.
**Cut Number:** Saves the phone number of the person who sent a message to you. For text input mode, see page 55.
**Cut Multimedia:** Keeps the emoticons, videos, ringtones in the received message in the multimedia management box. You can keep the phone numbers in the message. (The multi-message of larger capacity is set forth below.)
**Delete All:** Deletes all the messages in Inbox completely.

**Note:** You can be informed of a new messagereceived with bell sound or vibration. The latest received message is placed on top.





## Drafts

This box saves messages that you have not sent or you failed to send.
Delete ▶ Deletes the selected message.
**Edit/Send:** Edits the selected message, and then sends it.
Select ▶ No.5 ▶ Drafts ▶ Select a message ▶ Select "Options" ▶ No.2 ▶ Edit ▶ Send
**Storing in the SIM card:** Saves the message in the SIM card.
**Delete All:** Deletes all the messages saved in your phone.

## OutBox

This box saves any messages that you have already sent.
**Delete:** Deletes the selected message.
**Resend:** Resends the message.
**Transfer:** Edits the selected message, and then sends it to other person.
Storing in the SIM card£ƒSaves the message in the SIM card.

## Info. Msg.

This feature is the information provided for lots of GMS cellular phone users on the network.
For example, the information such as weather forecasting, traffic information and stock prices is provided.

Once a message arrives, the display shows the following options automatically:
**Read:** You can find out the information you have received recently.
**Reception:** You can accept or reject the reception of information.
**Topics:** Out of the information you want receive, you can add the subject that you want to the saved subjects of your phone or the SIM card to set a channel.
**Languages:** You can receive information with a language you want.





## Listen Voice Msg.

When you receive a voice message, your phone displays the message as the image on the display. Using this feature, you can hear the voice mail.
If the address of the voice mail is saved in your phone, press the number; Otherwise, you can enter the address directly. This feature is a network service.
For more information, ask your local service center.

**Note:** You can access this feature by pressing the No. 1 key in Standby Mode more than 1 second.

## Media Library

This feature shows pictures, animations and sounds downloaded from the network all the as well as various multimedia contained in received messages.

## Memory Status

You can check the memory status for all messages, including incoming and outgoing ones.
It shows the saved status of the SIM card, phone and multimedia.





## Setting

### Short Msg.

**Message Service Center**: This number is required when you save or modify the text messages you sent or received. You must obtain this number from your service provider.
**Sent Message Box**: Determines whether to save the messages you sent, or not.
**Delivery Report**: Informs whether or not the message is successfully sent to your recipient.
**Validity Period**: Allows you to set the length of your messages are saved at the message service center.
**Message Type**: Allows you to set the message type to “Text”, “Voice”, “Fax”, “X.400”, “E-mail”, “ERMES”
You must set the message to “Text”.

### Multimedia Msg.

**Delivery Report**: Informs whether or not the message is successfully sent to your recipient.
**Reception Report**: Informs whether or not your recipient has read the message.
**Reception Validity Period**: Automatically deletes the received messages after a specific period of time. You can set the length of the messages on an hourly, monthly and daily basis and also set the messages not to be deleted. Once this feature is set, you have to save important photos, sound files and text in the Multimedia Management Box, as your received messages are automatically deleted.
**Message Type**: Allows you to set the message type to “Text”, “Language”, “Fax”, “X.400”, “E-mail”, “ERMES”
You must set the message to “Text”.
**Originating Priority Setting**: Allows you to select the transfer type of the message to be sent. (Normal /Express /Urgent)
**Receive Settings**: Allows you to determine whether or not you will receive the incoming messages.
On: Automatically receives all the messages that a sender sent.
Off: Automatically rejects all the messages that a sender sent.
Confirm: After a sender asks whether or not you will receive the message the person sent, you can receive or reject it.





# Display _

Using thus feature, you can configure the display according to your preferences.

## ■ Standby Select

Select Standby Select ▶ Images ▶ 1 ▶ 1 ▶ Select a background image ▶ Select ▶ Select .
Select Standby Select ▶ Animation ▶ Select a image ▶ Select ▶ Select .

**Text Input**
You can enter your name on the screen up to 16 characters in English and 8 characters in Chinese.

**Note :** For text input mode. see page 55.

**Calendar:** A background of a calendar type. You can select it between monthly and weekly one.

**Clock:** A background of a clock type. You can select it out of Digital, Analog and Dual modes.

**Clock shape**
1. Main: Select one out of Digital/Analog/Dual.
2. Sub: Select one between Digital/Analog.
   Use to select the type of the clock.

**Zodiac:** A background of 12 constellations type.
**My Images**
**Sub LCD**





## Power On/Off

Use to select . ▶ Select ▶ Select .

**Note :** In setting Standby Mode. You can select one out of image, Animation, Calender, Clock and Zodiac. In setting Power On/Off, Incoming Call and Outgoing Call, you can select one only out of Image.

# Sound _ Select → Select "Sound" ( )

## ■ Alert

Allows you to set the ringtone.

Select (menu) ▸No 2 ▸No 1

**Ring:** The phone rings.
**Vibrator:** The phone vibrates.
**Vip+Ring:** The phone first vibrates and then starts ringing.
**Silent:** The phone neither rings nor vibrates. The display only shows the name and phone number.

Scroll through the list by pressing and then select .





## Melody

Allows you to change your ringtone.

→ Scroll through the list by pressing and then select the melody you want.

**Note** Once Manner Mode is enabled, you cannot hear the melody.

## Volume

Allows you to adjust the volume.

Scroll through the list by pressing to adjust the volume to the extent you want.

**Note** Once Manner Mode is enabled, you cannot hear the melody.





## Welcome/Goodbye

Allows you to set the melody when power is on/off.

Scrolls through the list by pressing to select the melody you want.

**Note** 1. When you want not to set the power on/off melody, set the melody to “OFF”.
2. Once Manner Mode is enabled, you cannot hear the melody.

## Keytone

Allows you to adjust the keytone.

**Dial Sound:** Sets the volume of the keypad.
**Menu Sound:** Sets the volume of the menus

Scroll through the list by pressing and then adjust the volume.

**Volume:** By pressing , you can adjust the volume. (The volume is of 5 levels.)





# Setting (Menu) Select Settings

## Phone Set

Set Time Setting, Language, and Answering Type of your mobile phone.
(You can set the time, language and dial function of your phone.)

### Time Set

You can set the time, date and area displayed on the screen.

In entering a date, scroll through the menu by pressing and enter in the order of Year Month Day.
In entering a time, scroll through the menu by pressing and enter in the order of Hour Minute Scroll through the menu by pressing.

Scroll through the list by pressing , set the item you want.

## Language

Shows the languages you can select one.

Select (Menu) ▸ No.3 ▸ No.1 ▸ No.2 ▸ Select a language

➔ Scroll through the list by pressing to select your language.

## Answer Key

Allow you to select the incoming calls mode.
Any Key: Open the folder and then press any key to receive a call. (However, excepting the key and Right key.)
Send Key: Open the folder and then press the Send key, or the Left key to answer a call.
Folder Open: When an incoming call is received, open the folder to answer the call.

➔ Scroll through the list by pressing and then select you setting by pressing the key.





## Auto Answer

When using the hands-free kit, the phone automatically answers calls after a set time.

**Note** If the hands-free kit is enabled, the phone automatically answers calls after a set time. without the need of pressing other key.

## Auto Redial

The phone automatically redials a phone number after an unsuccessful call.

Scroll through the list by pressing and then select the option by pressing .

**Note** The interval of redialing is not identical.

## Lightning

You can select the background color of the screen displayed when opening the folder.

### Time

Always On: The backlight remains on continuously.
15/30/60 seconds: After the last pressed key, the backlight remains.

Scroll through the list by pressing and then select the time.

## Contrast

This option allows you to adjust the contrast of the display screens.

The higher the number of LEVEL is, the lighter the screen becomes.

**Note** You can turn Sub LCD on with the folder closed, by pressing the button at the side of the Phone.





Factory Set

Entering your password will reset all functions.
The confirm message will prompt when you enter your password, you can reset by selecting YES.

**Note** The preset password is “0000”.
Scroll through the list using and then reset using.

## Call Set

### Call Divert

This feature enables incoming calls to be rerouted to the number you specify.

**Divert Always:** All Calls are diverted.
**Divert Unread :** Calls are diverted if your phone is turned off, or not in an area covered by your service provider.
**Divert Busy:** Calls are diverted to the number you set if your phone is engaged on another call.
**Divert No Reply:** Calls are diverted if you do not answer the phone.
**Cancel All:** Call Divert options are deactivated.

**Note** You can divert incoming business calls to yuor colleague's phone number during your holiday. Scroll through the list using and then select an option using .



### Call Barring

You can restrict your calls or network function including the following options.

**All:** Calls cannot be made or received.
**Outgoing:** Calls cannot be made.
**International:** International calls cannot be made.
**Int Exp. Home:** When abroad, calls can be made to your home country.
**All Incoming Calls:** Calls cannot be received.
**When Roam:** When abroad, calls cannot be received.
**Cancel All:** All call barring options are deactivated.
**Change Passwd:** You can change your password.

## Call Waiting

This feature allows you to keep an incoming call on hold while making another call. By selecting the call you want to receive out of the two calls, you can keep the other on hold.

## Send My No.

You can show your number to your recipient when you make a call.

**Note** Depending on the type of the network, this feature is available.

## Network Sel.

This feature enables you to automatically or manually select the network used when roaming outside your home area.

**Note** You can select a network other your home network if a vaild roaming agreement is set up.





To indicate to automatically or manually select the network when roaming: Press or until the appropriate option and press .

1. You are connected to the first available network when roaming.
2. The phone scans for the second network you can connect.
   You may be connected to this network.

# Private_ Select (Menu) → Select Private

## Call Time

This option allows you to check the timers for calls made and received.

**Last call :** Shows the length of the last call.
**All Calls :** Shows the total length of all calls made or received.
**Received Call :** Displays the total time of calls you answered.
**Dialed Call :** Displays the total time of calls you made.
**Reset :** Initializes the call time.

**Note** The call time on your phone, actual call time and call cost are not necessarily identical. See page 55.





## FDN

**FDN:** With the phone FDN (Fixed Dialing Numbers) is provided, you can dial only several numbers you specify. To use this mode, you have to enter PIN2 number.

The following options are available:

**Enabling:** Activates or deactivates the FDN mode.

**Fixed numbers:** Allows adding, editing and deleting.
The number of your phone may different from the number of the SIM card.

**Note** Not all the SIM card have the PIN2 code. When your SIM card has not this feature, this option dose not appear.

## PIN

PIN (Personal Identification Number)prevents the use of an unapproved SIM card.
PIN is usually provided with the SIM card. When your PIN has been approved, you must enter the PIN each time you switch the phone on.

**Enable PIN:** As the SIM card is locked, you must enter your PIN whenever you switch the phone on.
**Change PIN1:** You can change your current PIN to a new one. You must enter the current PIN before you can specify a new one.

**Note** When PIN is not enabled, you cannot use this feature.





## Change PIN2

To some SIM cards, PIN2 is also provided. To use a function, this number may be required. This feature requires support of the SIM card.

Change PIN2: You can change your current PIN to a new one. You must enter the current PIN before you can specify a new one.

**Note** Not all the SIM card have the PIN2 number.

## Password

### Password Input

You can lock "Private", "Phonebook", "Call Record" and "Entering Text". The password is preset to "0000°±.

### Phone Lock

You can use this feature to limit the use of your phone. When this feature is enabled, you must enter the phone password to use any function of the phone each time you switch the phone on, excepting the SOS key and Emergency Call key. The password is preset to "0000".

### Change Password

This feature lets you change your preset or current phone password to a new one.

The password is preset to "0000".





# PC Sync Set

To select images
Select ▸ No.1 ▸ Select "Standby Mode" ▸ No.6 ▸ Select "My Images"

To select melodies
Select ▸ Select Melody Settings ▸ "Ringtone / Power On/Off" ▸ Select "My Melody"

**Connect:** Connects the phone to your computer.
**Disconnect:** Disconnects the phone from your computer.

**Note** This option is available when you obtain the data cable from your local VK dealer.
Using the data cable, connect the phone to your computer and download sounds and images from the computer.
For computer environment setting and further details, see the data cable user's manual.

# PIMS

Select (Menu) → Select "PIMS"

You can save date, schedule and time to Scheduler.

## ■ Scheduler

### Search

### Make

Scheduler: Sets various schedule events including appointments and meetings.

Text input

Time setting

Alarm setting mode

Alarm display mode

Alarm melody setting

## View

**View Day:** Shows only today's schedule.
**View All:** Shows all the schedule entered.

Select an option by pressing .





**Call:** Sets the schedule of calls you need to make. The schedule is displayed when the set time is reached, you can make a call by confirming it.

**Anniversary:** anniversaries to be remembered such as wedding anniversaries or birthdays.
Scroll through the menu pressing to select a melody.

**Note** When the set time or date for a schedule is reached, related datails are displayed and the alarm rings.
You can enter several schedules on a same day.
To stop the alarm ringing, open the folder and press any key.
For text input mode, see page 55.

## ■ Alarm Set

### Set Alarm

This option allows you to set an alarm to ring at a specific time.

Scroll to time Setting by pressing to enter a time.
Everyday: An alarm rings everyday at a set time.
Once alarm: An alarm rings at once at a set time.
Alarm setting mode.

Once an alarm has been set, you can see the Alarm Icon on the display.
To stop the alarm when it rings, open the folder and press any key.

### Cancel Alarm

Deactivates the alarm.
The Alarm Icon ( ) disappears.

**Note** In Manner Mode, the phone vibrates when the that the alarm rings is reached.

## Memo Box

### Add

You can save about 10 memos.

### Edit and Delete

You can edit and delete your memos.
For text input mode, see page 55.





## Calculator

You can perform addition, subtraction, multiplication and division computation.

When you have finished, press to exit.

**Note** Pressing the Cancle key more then 1 second clears the display, while briefly press the key clear only one figure.

## D-Day

Once entering important schedules, you can check the remaining or elapsed time for the schedule.

### Add

Scroll through the options using and then enter necessary information. For text input mode.

**D-Day Check/Add/Modify/Delete**

After entering D-Day, you select any submenus you want can to add/modify/delete it.





## Bio Rhythm

Upon entering birthdays, you can check the corresponding bio rrhythms.

Select (Menu) ▶ No.6 ▶ No.6 ▶ No.1

**Red Curve** : Physical rhythm shows your body's Physical state.
**Orange Curve** : Emotional rhythm shows your feeling or the condition of your nervous system.
**Blue Curve** : Intellectual rhythm is in connection with brain activity.

These states are also shown as a numerical value at the bottom of the screen.

By pressing or , you can check the Biorhythm of a day you specify.

**With Friend** : Allows you to check another persons biorhythm on a same day.
**Special Day** : Allows you to check the biorhythm of a specific day.
**Setup** : Before checking any biorhythm, you must enter your birthday and another persons if using the "with friend" option

Scroll through the menu by pressing or , enter a birthday in the order of Year ➔ Month ➔ Day.

## Unit Convert

This option allows you to convert from one type of unit to another.

Type of conersion

Number input

- Select the type of conversion by pressing or :
Length, Weight, Volume, Area, Temperature





## World Time

You can check the current time in various countries.
Select this option by pressing .

# Camera

## Operation Method

You can take pictures, using the camera module embedded in your phone.
You can send photos to other people and use them as the background images.

**Reverse effect:** Allows you to rotate photos 180°.
**Brightness:** Allows you to adjust the brightness of photos.
**Size:** Allows you to adjust the size of photos.

Press this icon to take a picture.





## Photo Shot

You can take a picture, using the captured image appearing on the display.

Select (menu) ▸ No 7 ▸ No 1

**Note** When you press the shutter, the shutter sound is heard.
In Manner Mode, the shutter sound is heard.
For text input mode, see page 55.

**Save**
You can set the options before taking a picture.

**Image Size:** Sets the image size to one of SQCIF 128*96, VGA 640*480 and QVGA 320*240.
**Timer Setting:** Selects the delay time at 10 seconds, or after 10 seconds.
**Screen Effects:** Allows you to apply the tone you want to use. You can take a picture with various special effects.





## Serial Shot

With the same method as general photo shot, you can take pictures successively.
Take pictures after setting the option on the display by pressing the button on the side of the phone and the Navigation key.
You can set the options.

Image Size: Sets the image size to one of SQCIF 128*96, VGA 640*480 and QVGA 320*240.
Shot Number: Sets the number of pictures you want to take. (Select one of the successive 3 and 6 shots.)

## Motion Shot

You can record motions for a short time.

Select (menu)
▸No 7 ▸No 3

1. Press the key to record a motion.
2. After the recording has been finished, enter a title and save it. (Pressing the Save key will save your clip in the Multimedia Box.)

**Note** 1. In recording a motion, no sound is recorded.
2. When you use thie feature, the battery will be quickly consumed.





## Sticker Shot

Select ▸ No.7 ▸ No.4 ▸ Select a background ▸ Take a picture ▸ Title input ▸Save

## Photo Studio

Allows you to select and edit one of the images saved in Photo Box.
Select ▸ No.7 ▸No.5

## Photo Mail

Allows you to send the pictures newly taken or the ones already saved to other person's phones.

**Sending of New Pictures**
Enter a title and then select ▸ Select ▸ Text input ▸ Enter your recipient's phone number or e-mail address.

**Note** 1. For text input mode, see page 55.
2. You can find out phone numbers or e-mail addresses in Phonebook to be entered.
(For further details, see page 45.)





**Sending of Saved Pictures**
You can send the saved pictures as an e-mail attachment.
Select ▸ No.7 ▸ No.6 ▸ No.2 ▸ No.1 ▸ Select an image ▸ Text Input ▸ Enter your recipient's phone number or e-mail address ▸ Send

**Note** 1. This feature will be available in a near future.
2. You can find out phone numbers or e-mail addresses in Phonebook to be entered.
(For further details, see page 55.)

## Photo Box / Motion Box

You can view the recorded pictures and motions. After viewing them, you can change the titles, delete the records and set the lock function.

Select (menu) ▸ No 7 ▸ No 7 ▸ No 1

**Edit:** Allows you to change the title of the selected picture.
**Delete:** Allows you to delete the selected picture.
**Lock function:** Allows you to lock the selected picture. (Setting this lock function requires your password. After setting the lock function, you cannot view the records and change the titles.)





## Setting

You can set the shutter sound and photo environment.
Select ▸ No.7 ▸ No.9 ▸

**Lock Photos**
You can prevent other person from viewing the content in your photo mailbox.
Select ▸ No.7 ▸ No.9 ▸ No.2 ▸ Enter Password ▸ Lock or Unlock ▸ O.K

**Lock Motions**
You can prevent other person from viewing your motions.
Select ▸ No.7 ▸ No.9 ▸ No.3 ▸ Enter Password ▸ Lock or Unlock ▸ O.K

# Game

Select (Menu) → Select "Game"

Enjoy the game!
Basically, four games such as Jump Jump, Prince Princess, Photo Puzzle and Space Ball are provided.

Start: begins a new game.
Stage: begins a game at the level you want.
Key Info.: Explains the key operation.
Rank: Shows the highest score.

→ Scroll through the menu by pressing and then select the option by pressing .

**Note** Playing a game will quickly consume the battery.





# Internet

Select (Menu) → Select "Internet"

With the WAP preview function you can conveniently connect to Shows the Home.net.

## ■ Home

Shows the Home.

## Bookmarks

By adding the pages you want to Favorites, you can save time and easily connect to the pages.

**Add**

**Edit**

Scroll through the menu by pressing and then select the option by pressing .

## Go to URL

You can enter a new URL to move to corresponding webpage.

- Scroll through the menu by pressing or and select the option you want, and then press OK key.
- For URL input mode, see page 55.
- Pressing the OK key will move to the related webpage.

## Setting

You can select this feature, as the WAP network function.

**GPRS**

1. Profiles : Indicates the name of Internet Service Provider (ISP) you want. You can add (a) new service provider(s) if necessary. Several service providers are basically set in your phone.

1. Profile Name : Indicates the name of your ISP.
2. Homepage : Indicates the homepage address of your ISP.
3. APN : Access Point Name
4. IP Address : Indicates the IP address of your ISP.
5. Login : Allows you to log in with your assigned ID.
6. Password : Allows you to enter your assigned password.
7. Access Type : Allows you to select one of the GPRS and GSM service.
8. Response Time : Informs you of whether the connection is successful or not. You can set the time as you want.

**Save History**

By pressing  or , you can keep the visiting records in the memory of phone.





## History

If you set to Save History when opening a URL, your phone will record up to 10 webpages. The latest record is recorded first.

**List**

You can select a URL using the menu. Scroll to the webpage you want by pressing  or :

**Open a new URL:** Allows you to directly connect to the webpage, without the need to press the location assigning button.
**Edit name:** Allows you to edit names. For text input mode, see page 47.
**Edit address:** Allows you to edit webpages.
**Delete:** Allows you to delete webpages.
**Add to Favorites:** Allows you to add webpages to Favorites.

**Clear**

You can clear the information saved in the memory
The confirmation message will be again displayed. At this time, the information will be deleted if you select the OK key, while the deletion is cancelled if selecting the Cancel key.

# Reference Information

Reference Information I Glossary



# Reference Information _

## Password Input

There are several passwords that are used by your phone and its SIM card. These passwords help you protect your phone against unauthorized use.

### Phone Password

The phone password is used for unlocking the keys, deleting all Phonebook entries, restoring the factory setting, and locking or unlocking the phone. If the Phone Lock feature is enabled, you must enter the password each time turning the phone on.

This password can be used to avoid unauthorized use of your phone. The password is usually preset to "0000'.

### PIN Code

PIN(Personal Identification Number)code protects your SIM card against unauthorized use. The PIN code is usually supplied with the SIM card. When the PIN code request is enabled, the code is asked each time the phone is switched on.

If you key in incorrect PIN code three times in succession, enter the PUK code and then press the OK key. When you enter a new PIN code, enter a new password two times and then press the OK key.

## PIN2 code

Some SIM cards are provided with PIN2 code. To use a function, this code may be required. The use of this code requires the support of the SIM card.
If you key in an incorrect PIN2 code three times in succession, enter the PUK 2 code and then press the OK key.
When you enter a new PIN2 code, enter a new password two times and then press the OK key.

## PUK code

The PUK (Personal Unblocking Key) code is the one used for changing a blocked PIN code. This code is usually supplied with the SIM card. If you have no PUK code, use the one by connecting to your local service provider.
If you key in an incorrect PUK code ten times in succession, you cannot use the SIM card any more. You must obtain a new card. As the PUK code cannot be changed, contact your service provider if you forget the code.





## PUK2 code

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you key in an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card. You cannot change the PUK2 code. If you lose the code, contact your service provider.

## Barring Password

The 4-digit barring password is required when you use the Call Barring function. You can obtain the password from your service provider when you subscribe to this function.

# Using the Batteries

The battery provided with the phone is a Lithium standard battery.

## 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 times 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 batteries and recharge your battery only with 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 C (32 F).
- 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 back of 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.

# Safety Information

## Traffic Safety

Do not use a hand-held mobile phone while driving a vehicle. If using a hand-held phone, park the vehicle before conversing. Always secure the phone in its holder, do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.
The use of an alert device to operate a vehicle s lights or horn on public roads is not permitted.

**Remember, road safety always comes first!**

## Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference of danger.
When connecting the phone or any accessory to another device, read its user s guide for detailed safety instructions. Do not connect incompatible products.
As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).





## Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your mobile phone.

**Pacemakers**
Do not use the phone where there is a pacemaker. Using the phone within 6 inches (20 cm) may cause a potential interference with a pacemaker.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15 cm) from their pacemaker when the phone is switched on;
- Should not use the phone near around their chests;
- Should use the ear opposite the pacemaker to minimized the potential for interference.
- If having any reason to suspect that interference is taking place, switch off your phone immediately.

**Hearing Aids**
Some digital mobile phones may interfere with some hearing aids. For more information, contact your service provider.

**Other Medical Devices**
Electromagnetic waves generated from the cellular phones may dangerously affect doctors and medical devices. Switch off your phone in health care facilities in accordance with the regulations.

**Car**
Electromagnetic wave signals may affect improperly installed or inadequately shielded electronic systems in a car. Check with the manufacturer regarding your car before using your phone.

**Potentially Explosive Atmospheres**
Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.
Users are advised to switch off the phone while at a refueling point (service station). Switch your phone off when your are below deck on boats; in chemical transfer or storage facilities; in vehicles using liquefied petroleum gas, as the air may contain chemicals or particles, such as grain, dust or metal powders.

## Vehicles
Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous
Check regularly that all mobile phone equipment on your vehicle is mounted and operating properly. Do not save or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
Do not install your mobile phone equipment near an air bag. If the air bag inflates, your phone may be damaged.
Switch off your phone before boarding an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.
Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

## Emergency Calls

**Important!**
This phone, like any mobile phone, operates using radio signals, wireless and landline networks as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).
Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or certain network services and phone features are in use. When you cannot use this function, contact your local service provider.

**To Make an Emergency Call:**
1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 112 or other official emergency number). Emergency numbers vary by location.
3. Press the key. (Press the SOS key)

If certain features are in use (key guard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be only means of communication at the scene of an accident-do not cut off the call until given permission to do so.





## Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. Carefully read the following information:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas.
- Do not store it in hot or cold areas. High or low temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap- and water solution.
- Do not spray a paint on it. Paint can clog the device s moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility.

# Glossary

**Airtime**
Actual time spent talking on the wireless phone. You are billed according to this reference.

**Antenna**
A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

**ALS (Alternate Line Service)**
ALS provides the capability of associating two alternate lines with one SIM card. You can make and receive calls on either line as desired with this service.

**Call Barring**
Ability to restrict outgoing and incoming calls.

**Call Divert**
Ability to reroute calls to another mobile or fixed line.

**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.

**CLI (Caller Line Identification) Service**
Service allowing subscribers to view or block the telephone numbers of callers.





**Conference Calling**
Ability to establish a conference call involving up to five additional parties.

**DTMF**
(Dual-tone Multi Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.

**Hands-Free**
A feature that permits a driver to use a wireless phone without lifting or holding the handset -an important safety feature for automobiles, tractors and most other motorized vehicles.

**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.

**LCD (Liquid Crystal Display)**
Commonly used to refer to the screen display on the wireless phone.

**LED (Light Emitting Diode)**
Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The lights on the charger indicate that battery charging is taking place.

**PIN (Personal Identification Number)**
Security code that 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).

**SIM (Subscriber Identification Module)**
A card containing an integrated circuit. The circuit contains the information about the phone operation.

**SMS (Short Message Service)**
A network service sending and receiving messages to and from other persons without the need to call. The incoming messages immediately appear on the display, and you can edit, receive and send the messages.





**Soft Keys**
This key has the following functions:
- Varies according to the function that you are currently using.
- Is indicated on the bottom line of the display just above the corresponding key.

Auto Answer
When you cannot be reached, you can record your voice using this function.
Wireless
Receives signals. There is not need to connect using a physical connection, such as a metal wire (copper) or fiber optic cable.

For more details, contact your local service provider. There may be some differences between the phone and user's manual.