

VK160

Hello,

Thank you for purchasing VK cellular phone.

VK160 is a fabulous slide type camera MP3 phone only for brilliant people.

260K TFT LCD allows you to enjoy multimedia functions through clear and precise screen.

The 64 poly brings you incredible sound that is almost similar to that of the original sound quality and it will be your take-out audio system.

VK160 is embedded with cutting edge camera that features 1.3mega pixels, 4x digital zoom, self-timer function, and video clip recording function.

Thank you again for choosing VK product and we hope you have greatest success in your business with VK160.

Please read 'Safety Precaution' prior to use.

The content of this manual and functions of cellular phone are subject to change depending on the software version and conditions in business.

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PRIOR TO USE

- Safety Precaution
- Unpacking
- Phone Layout and Keys Function
- Keys Description
- LCD Icon Description
- Inserting SIM Card and Battery
- Charging Battery
- Reference About Battery Charging

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Safety Precaution

Please read safety precaution before using your cellular phone. Precaution contains contents that prevent users from potential health and financial hazards. Read carefully and use the product accordingly. If the following regulation stated in precautions is not followed, you may be subject to penalties or may cause illegal conditions. For more information, refer to Health and Safety Precaution described in the appendix of this manual.



Traffic Safety

Do not use a hand-held mobile phone while driving a vehicle. Follow traffic related regulations while driving. Using hand-held device while driving can be direct and indirect cause of accidents. If it is necessary to use a hand-held phone, park the vehicle before conversing or use hands-free/ear-microphone.



Potentially Explosive Atmosphere

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions.



Switch Off While Refueling

Users are advised to switch off the phone while at a refueling point (gas station).



Switch Off in Aircraft

Electronic frequency generated from your cellular phone can influence electronic equipments that are not radio frequency shielded on an airplane and cause dangerous conditions.



Switch Off in Hospitals

Follow any regulations or rules in force. Switch off your phone near medical equipment. All wireless phones may be subject to interference that can influence the performance of medical equipment. Consult with the medical equipment manufacturer to assure the equipment is safe from high-frequency energy.



Special Regulations

Meet any special regulations in force in any area and always switch off your cellular phone whenever the use is forbidden such as concert hall, public area, and etc. Also, avoid using your phone where the use of phone can cause serious danger (hospital, potentially explosive area, while driving).

Backup Data from Cellular Phone

Phone numbers, message and data stored in the phone book can be lost due to user's negligence. When cellular phone may be damaged and your data may be lost while repairing. Back up important data in safe medium. We do not take responsibility for damages incurred due to data loss.

Keep Cellular Phone in Dry Place

This cellular phone is not water-proof. Keep it in dry place.

Cellular Phone and Frequency Interference

All cellular phone are subject to radio frequency interruption. Radio frequency interference may influence the performance of your cellular phone.

Accessories and Batteries

Use only VK-approved accessories and batteries. If original accessories are not used, battery can explode or damage your cellular phone.



Approved Service Center

When repairing your cellular phone, use only VK approved service centers.

Emergency Calls

The cellular phone needs to be switched on and had to be in service area. If other functions are in use, finish the other function by pressing END key. Then, press emergency number and press CALL button. Describe your location and the emergency condition. Emergency call does not end until you hang up.



Unpacking

1. Handset



Cellular Phone

2. Battery and Travel Adapter



Battery

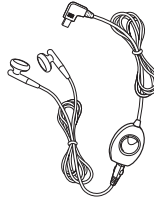


Travel adapter

3. Accessories



User's Manual



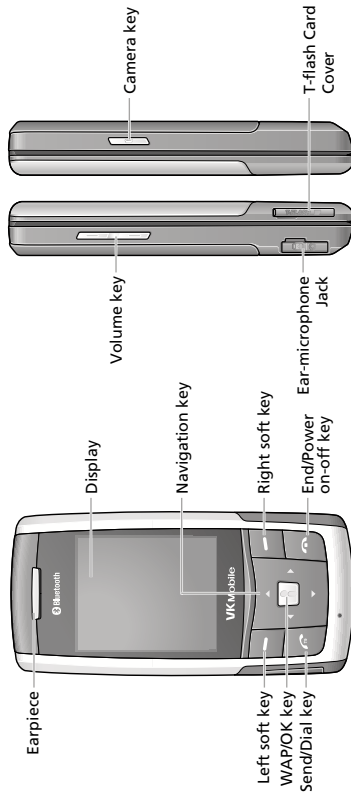
Ear-microphone



Data Cable





Actual product may look different from the above picture.

■ Phone Layout and Keys Function



PRIOR TO USE

■ Keys Description

	Left soft key Enter the left bottom menu of the display.
	Send/Dial key Make/Answer a calls. When this button is pressed in standby mode, the last number dialed will be redialed.
	Navigation key Up : Message Down : STK Application Left : Multimedia Right : Fun & Games
	WAP/OK key Enter WAP from standby mode. Access function indicated on the bottom of the display.

Right soft key
Enter the Right bottom menu of the display.
In standby mode enters contacts.



End/Power on-off key
End a call.
Hold down to switch the phone on and off.
In menu mode, cancels input and returns the phone to standby mode.



Alphanumeric keys
Enter number and characters.



Camera key
In standby mode enters camera.



*** key**
Hold down to activate manner mode on/off.



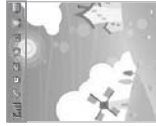
key
Hold down to activate lock mode on/off.













Volume key
Adjust the button volume from standby mode.
Conversation volume adjustment while speaking on the phone.

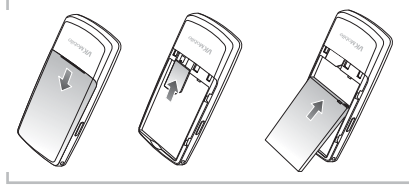


■ LCD Icon Description



-  Shows the received signal strength. [Strong :  Weak : 
-  Appears when a call is in progress.
-  Appears when you set the alarm to ring at a specific time.
-  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 Bluetooth function.
-  Shows the level of your battery.
-  Appears when you set the key pad lock function.

■ Inserting SIM Card and Battery



1. ① Turn off the power of cellular phone.
② Remove the battery cover as shown in the figure below.
2. Face the gold color contact point of SIM card towards the cellular phone and push in the SIM card into the slot.
3. Push in the battery as shown in the figure below.
Align the battery as shown in the figure.

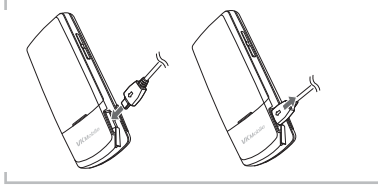
Charging Battery

Charging with traveler's kit

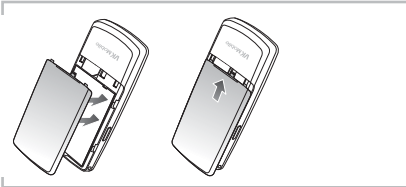
Battery can be charged without desktop charger, thus, it is easier to take the charger with you.
Charging through traveler's kit may take longer than using the desktop charger.

Connect traveler's kit to the external connector of cellular phone.

Connect the traveler's kit to the power outlet.

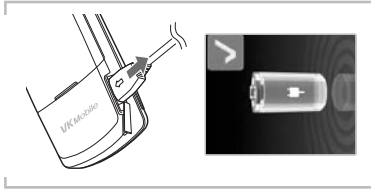


4. Push in the battery cover until it makes 'click' sound.



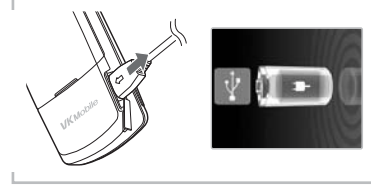
■ Reference About Battery Charging

Handset Power off Status



Handset DISPLAY Status.
Shows Battery charging status.

Handset Power on Status



Handset DISPLAY Status.
Charging Display Icon.






BASIC FUNCTIONS

- Basic Function Buttons
- Character Input Mode

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







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Basic Function Buttons

1. Press the  button below the  button for about three seconds to turn power on or off, terminate a call or switch to standby mode.
2. Press the  button at the  button to dial or receive a call.
3. Press ***** key below number  button for about three seconds to switch to manner mode.


Press ***** key for about three seconds to release manner mode.

Your handset vibrates instead of rings a bell sound when it is set to manner mode.

4. Press **#** key below number  button to lock your handset.
5. Press  button to use diverse functions according to menu descriptions.
Press desired numbers or select function menus () using  or  keys.
6. Press  button to view Phone Book List Lists.
7. Press the  button in the center to start Internet service.
8. Press  key to Check the Multimedia.
9. Press  key to use Message Menu.








Character Input Mode





T9 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  key could be J, K or L. The T9 mode automatically compares your key presses to an internal linguistic database to determine the correct word. This mode is based on a built-in dictionary. This mode requires far fewer keystrokes than the traditional multi-tap method.


[Typing English Words]



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

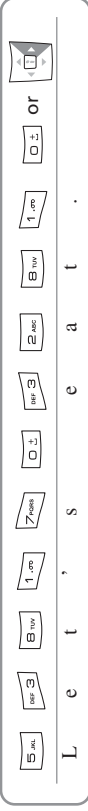
1. Press key on the phone just once per desired letter.
For example, to enter 'hello', press the following keystrokes : , , , , .
2. The word you are typing appears in the display.
It may change with each key you press.
3. Press the  key, you can display alternate word choices for the keys that you have pressed.
4. Complete each word with a space by pressing the  key.


10. Press  key to use STK Application.
11. Press  key to use Fun & Games.
12. Press the number for about three seconds to dial a phone number with short-cut key.
13. Press the  key to adjust the button volume from standby mode.
Conversation volume adjustment during the call.
14. Press the  key in standby mode enters Camera.





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

 This mode displays all the words which are containing the letters you have entered. By doing this, the T9 mode saves you typing extra keypress.

[Smart Punctuations]
Full stop, hyphen and apostrophe are available on the  key. The T9 mode applies rules of grammar to insert the correct punctuation.
Notice that the  key is used twice in this example to display two punctuation marks :



[Shifting a Case]
To change the case in T9 mode, press the  key.

[Scrolling]
The  key scrolls to the alternative characters corresponding the keypress.
To view your message without moving the cursor, press  key on the left side of the phone.
To move the cursor left or right through your text message, press the  key.
Note that pressing the key without completing a word by the  key displays the alternative word.

[Clearing Characters]
Press the  key one or more times to remove characters from the text area.

ABC Mode

When typing in ABC mode, you should press numbers key labeled with the required 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 **[3=]** 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.

Refer to the table on page 30 for the list of characters assigned on each key.

[Shifting a Case]

To change the case in ABC mode, press the **[*#]** key.

[Scrolling]

To view your message without moving the cursor, press **[←]** key on the left side of the phone. To move the cursor left or right through your text message, press the **[←]** key.

Note that pressing the key without completing a word by the **[↵]** key displays the alternative word.

[Clearing Strokes and Characters]



Press the **[↵]** 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 number keys corresponding to the desired digits.

Symbolic Mode


Symbolic mode enables you to enter symbols into a text message. Press the  key to view symbols from the text area. When you see the desired symbol on the display, move to the desired symbol then press the  key to insert the symbol.

Key	Characters in the Order Displayed	
	ABC	abc
	. , - ? ! ' @ : # \$ / _ 1	. , - ? ! ' @ : # \$ / _ 1
	A B C 2	a b c 2
	D E F 3	d e f 3
	G H I 4	g h i 4
	J K L 5	j k l 5
	M N O 6	m n o 6
	P Q R S 7	p q r s 7
	T U V 8	t u v 8
	W X Y Z 9	w x y z 9
	[] 0	[] 0

Changing Text Input Mode

When you are in a field that allows characters entry, you should notice the text input mode indicator in the display.

To change to another text input mode :

1. Press the  key repeatedly until you find the desired input mode.
2. Press the  key.

You will see the text input mode indicator in the top line of the display.

- T9 mode > T9 ABC (T9 ABC, T9 abc)
- ABC > ABC (ABC, abc)
- Numeric > 123
- Symbol > Symbol

Directions for using each of the text input modes appear later in this chapter.

MENU FUNCTIONS

- Menu Tree
- Call Record
- Phone Book
- Fun & Game
- Service
- Message
- Multimedia
- Organizer
- My File
- Setting

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■ Menu Tree

Call Record

Received Calls

Dialed Calls

Missed Calls

Call Time

- Last Call Time
- Total Sent
- Total Received
- Reset All Time

Call Cost

- Last Call Cost
- Total Cost
- Reset Cost
- Max Cost
- Price Per Unit

Delete Call Log

- Missed Calls
- Dialed Calls
- Received Calls
- Delete All

SMS Counter

- Sent
- Received

GPRS Counter

- Last Sent
- Last Received
- All Sent
- All Received
- Reset Counter

Phone Book

Quick Search

Search Entry

Add New Entry

- To SIM
- To Phone

Group Setting

- Caller Group
- Caller Picture
- Caller Ring Tone

Extra Number

- Owner Number
- Service Dial Number
- SOS Number

Copy All

- From SIM
- From Phone

Delete

- From SIM
- From Phone
- One By One

PBook Settings

- Memory States
- Preferred Storage
- Fields
- My vCard

Fun & Game

Games

- Copter
- Puzzle
- Panda
- Game Setting

Photo Artist

- Phone
- DRM Rights

Service

Melody Compose

- Play
- Play speed
- Select Instrument
- Save

WAP

- Homepage
- Bookmarks
- Recent Pages
- Enter Address
- Service Inbox
- Settings

Data Account

- GSM Data
- GPRS

Message

SMS

- Inbox
- Outbox
- Write Message
- Template
- Message Settings

MMS

- Write Message
- Inbox
- Outbox
- Draft
- Template
- Message Settings

Chat

Voice Mail Server

Broadcast Message

- Receive Mode
- Read Message
- Languages
- Channel Setting

Multimedia

Camera

- Album
- Camera Settings
- Image Settings
- White Balance
- Scene Mode
- Effect Settings
- Add Frame
- Storage
- Restore Default

Video Recorder

- To Player
- Camcorder Setting
- Video Setting
- Effect Setting
- Storage
- Restore Default

Sound Recorder

MP3 Player

Image Viewer

Video Player

Organizer

Calendar

To Do List

Alarm

World Clock

Calculator

Unit Converter

Currency Converter

Health

My File

Phone

- Open
- Create Folder
- Format

DRM Rights

Setting

Time and Date

- Set Home City
- Set Time/Date
- Set Format

Phone Setup

- Schedule Power On/Off
- Language
- Preferred Input Methods
- Greeting Text
- Speed Dial
- Shortcuts
- Dedicated Key
- Auto update of date and time

- Flight Mode
- LCD Backlight

Display Setting

- Wallpaper
- Screen Saver
- Power on Display
- Power off Display
- Show Date and Time
- Show Owner Number

Sound Setup

- User Profiles
- Sound Effect

Call Setup

- Caller ID
- Call Waiting
- Call Divert
- Call Barring
- Line Switching
- Call Time Reminder
- Call Time Display
- Auto Redial
- Closed User Group
- IP Number

Security Setup

- PIN Lock
- Phone Lock
- Auto Keypad Lock
- Fixed Dial
- Barred Dial
- Change Password

Network Setup

- Network Selection
- Preferred Networks
- Band Selection
- GPRS Connection

Restore Factory Settings

Bluetooth

- Power
- Inquiry Audio Device
- My Device
- Active Device
- Setting
- About

■ Call Record

You can check the recent call lists by pressing **[1. rec]** button and number **[1. rec]**.

1. Received Calls

To check recent received calls, press **[1. rec]** button and number **[1. rec]** and **[1. rec]** again in standby mode.

2. Dialed Calls

To check recent dialed calls, press **[1. rec]** button and number **[1. rec]** and **[2. acc]** in standby mode.

3. Missed Calls

To check recent missed calls, press **[1. rec]** button and number **[1. rec]** and **[1. rec]** in standby mode.

4. Call Time

Press **[1. rec]** button and number **[1. rec]** and **[4. ind]** in standby mode to view call time.

- **Last Call Time** : Press **[1. rec]** button, number **[1. rec]**, **[4. ind]** and **[1. rec]** to view the last call time.
- **Total Sent** : Press **[1. rec]** button, number **[1. rec]**, **[4. ind]** and **[2. acc]** to view total calls made.

- **Total Received** : Press **[1. rec]** button, number **[1. rec]**, **[4. ind]** and **[1. rec]** to view total calls received.

- **Reset All Time** : Press **[1. rec]** button, number **[1. rec]**, **[4. ind]** and **[4. ind]** to reset all time.

5. Call Cost

Press **[1. rec]** button and number **[1. rec]** and **[5. acc]** in standby mode to check call cost.

- **Last Call Cost** : Press **[1. rec]** button, number **[1. rec]**, **[5. acc]** and **[1. rec]** to check the last call cost.
- **Total Cost** : Press **[1. rec]** button, number **[1. rec]**, **[5. acc]** and **[2. acc]** to check total call cost.
- **Reset Cost** : Press **[1. rec]** button, number **[1. rec]**, **[5. acc]** and **[1. rec]** and enter PIN2 to reset cost.
- **Max Cost** : Press **[1. rec]** button, number **[1. rec]**, **[5. acc]** and **[4. ind]** and enter PIN2 to check maximum cost.
- **Price Per Unit** : Press **[1. rec]** button, number **[1. rec]**, **[5. acc]** and **[5. acc]** and enter PIN2 to check price per unit.

6. Delete Call Log

Press **[1. rec]** button and number **[1. rec]** and **[1. rec]** in standby mode to delete call log.

- **Missed Calls** : Press button and number , and to delete missed calls.
- **Dialed Calls** : Press button and number , and to delete dialed calls.
- **Received Calls** : Press button and number , and to delete received calls.
- **Delete All** : Press button and number , and to delete all calls.

7. SMS Counter

- Press button, number and in standby mode to view SMS counter.
- **Sent** : Press button, number , and to view sent SMS counter.
 - **Received** : Press button, number , and to view received SMS counter.

8. GPRS Counter

You can check GPRS data transmission and receipt details by pressing button, number and in standby mode.

- **Last Sent** : You can check last data transmission volume by selecting using key after pressing button, number and in standby mode.

- **Last Received** : You can check last data receipt volume by selecting using key after pressing button, number and in standby mode.
- **All Sent** : You can check total data transmission volume by selecting using key after pressing button, number and in standby mode.
- **All Received** : You can check total data receipt volume by selecting using key after pressing button, number and in standby mode.
- **Reset Counter** : Reset GPRS counter by pressing button, number , and in standby mode.

■ Phone Book

Press button and number in standby mode to use the phone book.

1. Quick Search

Press button and number and to view the phone book list.

2. Search Entry

To search a phone number by name, press button and number and and enter the name.

3. Add New Entry

Press button and number and to enter a new phone number.

- **To SIM** : Press button and number and and 'Ok' () to enter a new phone number to SIM. Enter the name and number by pressing 'Edit' ().
- **To Phone** : To add a new phone number to Phone, press button and number and and 'Ok' () in 'To Phone' using key.

Enter the name, phone number, home phone number, company name, e-mail address, office phone and fax numbers, and birthday in that order using key. Press key to select related photos or sound or set up call groups using the same method.

4. Group Setting

Press button and number and to set up groups.

- **Caller Group** : Press button and number , and to set up groups (friends, family, VIPs, business etc).
- **Caller Picture** : Press button and number , and to set up groups with photos.
- **Caller Ring Tone** : Press button and number , and to set up groups with caller ring tones. Select ring tones using key.

5. Extra Number

Press button and number and to set up extra phone numbers.

- **Owner Number** : Edit or delete Own Number by pressing button, number , and .
Edit : Edit Name after pressing button, number , , button and .
Erase : Delete Name after pressing button, number , , , button and .

- **Service Dial Number** : Press button and number , and to view SDN number. Transmit it by pressing button after selecting a desired number using key.
- **SOS Number** : Press button and number , and to view SOS number. Transmit it by pressing button after selecting a desired number using key.

6. Copy All

- Press button and number and to copy all phone numbers.
- **From SIM** : Press button and number and to and then select 'From SIM' by pressing button to copy phone numbers from SIM.
- **From Phone** : Press button and number and to and then select 'From Phone' by pressing button using key to copy phone numbers from Phone.

7. Delete

- Press button and number and to delete phone lists.
- **From SIM** : Press button and number and to and then select 'From SIM' by pressing button to delete all phone numbers of SIM.

- **From Phone** : Press button and number and , move to 'From Phone' using key and then select 'From Phone' by pressing button to delete all phone numbers of Phone.
- **One By One** : Press button and number and , move to 'One By One' using key and then select 'One By One' by pressing button to delete phone numbers One By One.




















8. PBook Settings













- Press button and number , and to set up details of phone books.
- **Memory States** : Press button and number , and to check SIM and handset memory.
- **Preferred Storage** : Press button and number , and to save data either in SIM or on handset.
- **Fields** : Press button and number , and and set up 'on/off' pressing button after moving to it using key to set up home phone, company name, e-mail address, office phone and fax number, birthday, related photos or sounds, and caller groups.

- **My vCard** : Press  button and number ,  and  to set up, edit or send my vCard.






■ Fun & Game

1. Games




- Press  button and number  and use  key to play games.
- **Copter** : After pressing  button and number ,  and  button, you may begin the game by pressing number  or view the highest point by pressing , or view help screens by pressing .
 - **Puzzle** : Select Puzzle pressing  button after pressing  button and number ,  and using  key. You may begin the game by pressing number , select the game level by pressing , view the highest point by pressing  or view help screens by pressing .

- **Panda** : Select Panda pressing  button after pressing  button and number , and using  key. You may begin the game by pressing number , view the highest point by pressing  or view help screens by pressing .
- **Game Setting** : Select Game Setting pressing  button after  button and number ,  and using  key.

Game Audio : After pressing number  in Fun & Games of Entertainment, you can set up the Game Audio.

Game Vibration : After pressing  button and number , , turn on or off game vibration using  key after moving to 'Game Vibration' using  key.

2. Photo Artist

- You may edit or set Wallpaper by fetching a photo by selecting its location after pressing  button and number  and .
- **Phone** : Select files saved in your handset memory.
 - **DRM Rights** : Select copyright-protected contents.

3. Melody Compose

Press **[1]** button and number **[0]** and **[0]** to compose a new melody.

For example, number **[1]** is 'Do', **[2]** 'Re', **[3]** 'Mi', **[4]** 'Fa', **[5]** 'So', **[6]** 'Ra' and **[7]** 'Ti'.

- **Play** : Press **[1]** to play your melody after selecting option by pressing **[0]** button and number **[0]** and **[0]**, and **[0]** button.
- **Play speed** : Press **[2]** to adjust play speed after selecting option by pressing **[0]** button and number **[0]** and **[0]** and **[0]** button.
Ex) Fast, Normal, Slow.
- **Select Instrument** : After pressing **[0]** button and number **[0]** and **[0]**, Press **[0]** to select instrument after selecting option by pressing **[0]** button and number **[0]** and **[0]**, and **[0]** button.
Ex) Piano, guitar, violin, saxophone, drum, flute, harmonica, trumpet, or xylophone.
- **Save** : Press **[4]** to save your melody after selecting option by pressing **[0]** button and number **[0]** and **[0]**, and **[0]** button.

Service

1. WAP

Press **[0]** button and You can use Internet by pressing **[4]** and **[0]**.

- **Homepage** : Press **[0]** button and number **[4]** and **[0]** and 'Ok' (**[0]**) to move to Home Page.
- **Bookmarks** : Press **[0]** button and number **[4]** and **[0]** and select 'Bookmarks' using **[0]** key.
- **Recent Pages** : Check the recently visited pages by pressing Recent Pages using **[0]** key after pressing **[0]** button and number **[4]** and **[0]**.
- **Enter Address** : Enter home page address by pressing Enter Address using **[0]** key after pressing **[0]** button and number **[4]** and **[0]**.
- **Service Inbox** : Check Service Inbox by pressing Service Box using **[0]** key after pressing **[0]** button and number **[4]** and **[0]**.
- **Settings** : Check Settings by pressing Settings using **[0]** key after pressing **[0]** button and number **[4]** and **[0]**.

- **Edit Profile**: Press **[1...]** after selecting Settings using **[]** button and number **[4...]** and **[1...]** and **[]** key.
 - **Browser Options**: Press **[2...]** after selecting Settings using **[]** button and number **[4...]** and **[1...]** and **[]** key.
 - **Service Message Setting**: Press **[3...]** after selecting Settings using **[]** button and number **[4...]** and **[1...]** and **[]** key.
 - **Clear Cache**: Press **[4...]** after selecting Settings using **[]** button and number **[4...]** and **[1...]** and **[]** key.
 - **Clear Cookies**: Press **[5...]** after selecting Settings using **[]** button and number **[4...]** and **[1...]** and **[]** key.
 - **Trusted Certificates**: Press **[6...]** after selecting Settings using number **[1...]** in Service of Entertainment and **[]** key.
2. Data Account
 Edit profile by pressing **[]** button and number **[4...]** and **[]** key.

- **GSM Data**: Edit GSM data by selecting profile using **[]** button and number **[4...]**, **[2...]** and **[1...]** and **[]** key.
- **GPRS**: Edit GPRS data by selecting profile using **[]** button and number **[4...]**, **[3...]** and **[]** and **[]** key.

Message

1. SMS
 - Press **[]** button and number **[5...]** and **[1...]** to check text messages.
 - **Inbox**: Press **[]** button and number **[5...]** and **[1...]** to check received messages.
 - **Outbox**: Check sent messages by selecting Outbox after pressing **[]** button and number **[5...]** and **[1...]** and **[]** key.
 - **Write Message**: Prepare messages by selecting Write Message after pressing **[]** button and number **[5...]** and **[1...]** and **[]** key.

Done : Select option () in Write Message screen. Press () to send, () to save and () to send to specific multiple parties, and () to send to groups.
 Use Template : Select sentences saved on your handset by pressing () after selecting 'option' () in Write Message screen.
 Insert Object : Send pictures, emoticons, melodies or sounds by pressing () after selecting 'option' () in Write Message screen.
 Format Text : Select text size, style, alignment or new paragraph by pressing () after selecting 'option' () in Write Message screen.
 Insert PHB Number : Send Number from Phonebook by pressing () after selecting 'option' () in write message screen.
 Insert PHB Name : Send Name from Phonebook by pressing () after selecting 'option' () in write message screen.
 Insert Bookmark : Send URL address from Bookmark by pressing () after selecting 'option' () in write message screen.
 Input Method : Select input method by pressing () after selecting 'option' () in Write Message screen.

- **Template** : Select sentences saved on your handset in Template selected by pressing () button and number () and () and () key.
- **Message Settings** : Set up message options by selecting Message Settings after pressing () button and number () and () and () key.
 Profile Settings : Select one in the profile list that appears when you press () after selecting Message Settings.
 Common Setting : Set up Delivery Report and Reply Path by pressing () after selecting Message Settings.
 Memory Status : Check Memory Status by pressing () after selecting Message Settings.
 Preferred Storage : Select either handset or SIM memory device by pressing () after selecting Message Settings.
 Pref. Bearer : Select either GPRS or GSM by pressing () after selecting Message Settings.

2. MMS

Press () button and number () and () to check options related to multimedia messages.

• **Write Message** : Prepare messages entering address, attention or hidden attention parties, phone number or e-mail address after selecting Write Message by pressing **[5-36]** button and number **[2-36]** and **[1-36]** button.

When you select Edit: Content using **[10-36]** key, a screen appears where you can enter message texts. You can insert images or sounds or attach messages or video clips saved on your handset by selecting option here.

• **Inbox** : When you select Inbox by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**, you may check received messages.

• **Outbox** : When you select Outbox by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**, you may check sent messages.

• **Draft** : When you select Draft by pressing **[1-36]** button and number **[5-36]** and **[4-36]**, you may check messages saved temporarily.

• **Template** : When you select Template by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[5-36]** you may use sample sentences saved on your handset.

• **Message Settings** : When you select Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]** you may set up related options.

Compose : Set up image size or auto signature by pressing **[1-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

Send : Check message validity, arrival status or checked by addressee by pressing **[2-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

Retrieve : Check home network, roaming service, arrival status or checked by addressee by pressing **[2-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

Filter : Set up maximum size or to reject ad or messages from certain callers by pressing **[4-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

Server Profile : Check server profile by pressing **[5-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

Memory Status : Check memory status by pressing **[2-36]** after selecting Message Settings by pressing **[1-36]** button and number **[5-36]**, **[2-36]** and **[2-36]**.

3. Chat

Enter chatting room by pressing **[1-36]** button and number **[5-36]** and **[2-36]**.

Multimedia

Press button and number .

1. Camera

Select Camera by pressing button, number and or .

• **Album** : Check registered photos by selecting Album by pressing button, number , and option ().

• **Camera Setting** : Set up camera settings like shutter sound by selecting Camera Setting by pressing button, number , , option () and key.

• **Image Setting** : Set up image size and status by selecting Image Setting by pressing button, number , , option () and key.

• **White Balance** : Set up contrast depending on weather by selecting White Balance by pressing button, number , , option () and key.

• **Scene Mode** : Set up background by selecting Scene Mode by pressing button, number , , option () and key.

4. Voice Mail Server

Check voice message by pressing button and number and .

5. Broadcast Message

Check or set broadcast messages by pressing button and number and .

• **Receive Mode** : Set receive mode on/off by pressing button and number , and .

• **Read Message** : Check received messages by pressing button and number , and .

• **Languages** : Set Language by pressing button and number , and .

• **Channel Setting** : Set, select, add or delete receiving channel data by pressing button and number , and .

- **Effect Setting** : Set up effect color by selecting Effect Setting by pressing button, number , , option () and key.
- **Add Frame** : Camera Setting : Set up frames by selecting Add Frame by pressing button, number , , option () and key.
- **Storage** : Set up storage location by selecting Storage by pressing button, number , , option () and using key.
- **Restore Default** : Initialize by selecting Restore Default by pressing button, number , , option () and using key.

2. Video Recorder

- Select Video by pressing button, number and .
- **To Player** : Set up video saving on handset or memory card by selecting option () after pressing button, number and .
 - **Camcorder Setting** : Set up camcorder contrast by selecting CamCorder Setting by pressing button, number , , option () and .

- **Video Setting** : Set up video resolution, limit file size, limit recording time or audio recording by selecting Video Setting by pressing button, number , , option () and key.
- **Effect Setting** : Set up effect color by selecting Effect Setting by pressing button, number , , option () and key.
- **Storage** : Set up saving on handset or memory card by selecting Storage by pressing button, number , , option () and key.
- **Restore Default** : Deactivate replay by selecting Restore Default by pressing button, number , , option () and key.

3. Sound Recorder

Select Sound by pressing button, number and .

4. MP3 Player

Select Audio Player by pressing button, number and .

5. ImageViewer

View or save images by pressing button, number and .

6. Video Player

View or save video clips by pressing button, number and .

■ Organizer

1. Calendar

Set up date by pressing button, number and .

2. To Do List

Set up key work schedule by pressing button, number and .

3. Alarm

Set up Alarm by pressing button, number and .

4. World Clock

Check present time of world major cities by pressing button, number and .

5. Calculator

Press button and number and to use calculator mode.

6. Unit Converter

Press button and number and to convert length or weight units.

7. Currency Converter

Press button and number and to calculate foreign currency.

8. Health

Press button and number and to check BMI or menstrual cycle.

■ My File

Press **[Eyes]** button and number **[1.00]**.

1. Phone

Select Phone (**[Phone]**) after pressing **[Eyes]** button and number **[1.00]**.

- **Open** : Select Phone (**[Phone]**) after pressing **[Eyes]** button and number **[1.00]** and press **[1.00]** to open message, audio, photos, images, music or video clips.
- **Create Folder** : Create a folder by pressing **[Eyes]** after selecting Phone (**[Phone]**) after pressing button and number **[1.00]**.
- **Format** : Format your handset memory by pressing **[Eyes]** after pressing **[Eyes]** button, number **[1.00]** and Phone (**[Phone]**).

2. DRM Rights

Select DRM Rights by pressing **[Eyes]** button and number **[1.00]** and using **[Eyes]** key.

■ Setting

1. Time and Date

Press **[Eyes]** button and number **[1.00]** and **[1.00]**.

- **Set Home City** : Set Home City by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]**, **[1.00]** and **[Eyes]**.
- **Set Time/Date** : Set time and date by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]**, **[1.00]** and **[Eyes]**.
- **Set Format** : Edit time and date format by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]**, **[1.00]** and **[Eyes]**.

2. Phone Setup

Press **[Eyes]** button and number **[1.00]** and **[Eyes]**.

- **Schedule Power On/Off** : Schedule Power On/Off by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]** and **[1.00]**.
- **Language** : Set Language by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]**, **[Eyes]** and **[Eyes]**.
- **Preferred Input Method** : Select Preferred Input Method by pressing **[Eyes]** button, number **[1.00]**, **[Eyes]**, **[Eyes]** and **[Eyes]**.

- **Greeting Text** : Set Greeting Text by pressing button, number , and .
 - **Speed Dial** : Set Speed Dial by pressing button, number , and .
 - **Shortcuts** : Set shortcut keys for calculator, inbox, write message, missed calls, received calls, sound size, alarm, warning types, receiving type switching, or user profile by pressing button, number , and .
 - **Dedicated Key** : Set shortcut keys for , and by pressing button, number , and .
- Items you can set up include shortcut menus, name search, add new names or groups, user phone number, memory status and location, greeting text, favorite input method, code type, switching receiving types, handset lock device, power, user profile, warning types, sound size setup, received calls, dialed calls, missed calls, calendar, alarm, calculator, unit converter, exchange rate, BMI, menstrual cycle, world time, write message, inbox, outbox, voice message, MP3 player, compose melody, WAP and MMS.
- **Auto update of date and time** : Update time and date automatically by pressing button, number , and .
 - **Flight Mode** : Switch to Flight Mode by pressing button, number , and .

- **LCD Backlight** : Set LCD backlight duration by pressing button, number , and . (5, 15, 30, 45, or 60 seconds)
3. Display Setting
- Set up screen options by pressing button, number and .
- **Wallpaper** : Set background screen by pressing button, number , and .
 - **Screen Saver** : Select screen saver by pressing button, number , and .
 - **Power on Display** : Select start screen by pressing button, number , and .
 - **Power off Display** : Select closing screen by pressing button, number , and .
 - **Show Date and Time** : Select time and date by pressing button, number , and .
 - **Show Owner Number** : Select user phone number by pressing button, number , and .

4. Sound Setup

Set up sound by pressing **[Mute]** button, number **[4]** and **[OK]**.

- **User Profiles** : Set up sound for General, Meeting, Outdoor, Indoor, Headset, Bluetooth by pressing **[Mute]** button, number **[4]** and **[1]**.
- **Sound Effect** : Set up sound effect for standby, base, dance, classic, party, pop, or Rock by pressing **[Mute]** button, number **[4]** and **[2]**.

5. Call Setup

Set up call by pressing **[Mute]** button, number **[5]** and **[OK]**.

- **Caller ID** : Select caller display by pressing **[Mute]** button, number **[5]** and **[1]**.
- **Call Waiting** : Select Standby mode by pressing **[Mute]** button, number **[5]** and **[2]**.
- **Call Divert** : Select call transfer mode by pressing **[Mute]** button, number **[5]** and **[3]**.

Divert All Voice Calls : Divert All Voice Calls by pressing **[Mute]** button, number **[5]**, **[3]** and **[OK]**.

Divert If Unreachable : Divert to a number if Unreachable by pressing **[Mute]** button, number **[5]**, **[3]** and **[2]**.

Divert If No Answer : Divert to a number if No Answer by pressing **[Mute]** button, number **[5]**, **[3]** and **[1]**.

Divert If Busy : Divert to a number if Busy by pressing **[Mute]** button, number **[5]**, **[3]** and **[4]**.

Divert All Data Calls : Divert All Data Calls by pressing **[Mute]** button, number **[5]**, **[3]** and **[5]**.

Cancel All Divert : Cancel All Divert by pressing **[Mute]** button, number **[5]**, **[3]** and **[6]**.

- **Call Barring** : Select Call Barring by pressing **[Mute]** button, number **[5]** and **[7]**. You can block incoming or outgoing calls. You need to enter password to block or release.

• **Line Switching** : Switch phone lines by pressing **[Mute]** button, number **[5]** and **[8]**.

• **Call Time Reminder** : Turn on or off Call Time Reminder by pressing **[Mute]** button, number **[5]**, **[5]** and **[OK]**.























• **Call Time Display** : Turn on or off Call Time Display by pressing **[Mute]** button, number **[5]**, **[5]** and **[Phone]**.

• **Auto Redial** : Turn on or off Auto Redial by pressing **[Mute]** button, number **[5]**, **[5]** and **[Redial]**.




- **Closed User Group** : Press  button and number ,  and .
- **IP Number** : Press  button and number ,  and .



















6. Security Setup

Set up lock (security) device by pressing  button, number  and .

- **PIN Lock** : Set or release Lock by entering PIN Code after pressing  button and number  and .
- **Phone Lock** : Set or release lock device by enter handset password after pressing  button, number ,  and .
- **Auto Keypad Lock** : Set auto keypad lock device by pressing  button, number ,  and . (0, 5, 30 seconds, 1 and 5 minutes)
- **Fixed Dial** : Set or release FDN by entering PIN2 Code after pressing  button, number  and .
- **Barred Dial** : Press  button and number ,  and .
- **Change Password** : Change PIN and PIN2, handset lock device password by pressing  button, number ,  and .

7. Bluetooth

Set Bluetooth options by pressing  button, number  and .

- **Power** : Turn on or off Bluetooth functions by pressing  button, number  and .
- **Inquiry Audio Device** : You can automatically detect Bluetooth supporting devices by pressing  button, number  and . Bluetooth function needs be turned on for detection.
- **My Device** : Register Bluetooth supporting devices by pressing  button, number  and .
- **Active Device** : Select a device among registered Bluetooth devices by pressing  button, number  and .
- **Setting** : Set or change device name, authentication, output device or FTP by pressing  button, number  and .
- **About** : View profiles of Bluetooth devices by pressing  button, number  and .

8. Network Setup

Press **[*]** button, number **[*663]** and **[*]** to set up network options.

- **Network Selection** : Select desired network automatically or manually by pressing **[*]** button, number **[*663]**, **[*]** and **[1-9]**.
- **Preferred Networks** : Select favorite network by pressing **[*]** button, number **[*663]**, **[*]** and **[2-9]**.
- **Band Selection** : Select network band range by pressing **[*]** button, number **[*663]**, **[*]** and **[0-9]**.
- **GPRS Connection** : Set GPRS connection as required by pressing **[*]** button, number **[*663]**, **[*]** and **[4-9]**.

9. Restore Factory Settings

Restore factory settings of your handset by pressing **[*]** button, number **[*663]** and **[*]**. Be careful as this may delete all you have saved.

OTHER FUNCTIONS

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VK160

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■ Safety 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 the phone is turned 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, the phone will lock and you will be required to enter a PUK code. When you enter a new PIN code, you will have no enter your new password twice to confirm correct.

PIN2 code

Some SIM cards are provided with a 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  key.

When you enter a new PIN2 code, you will have to enter it twice for confirmation and then press the  key.

PUK code

The PUK (Personal Unblocking Key) code is used for changing a blocked PIN code. This code is usually supplied with the SIM card, if not contact your service provider. If you key in an incorrect PUK code ten times in succession, the SIM card will become void and 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 slim 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 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, 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. Shortcircuiting 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 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 users 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.

Other Medical Devices

Electromagnetic waves generated from the cellular phones may dangerously affect medical devices. Switch off your phone in health care facilities in accordance with their 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). Also switch your phone off when you are below deck on boats; in chemical transfer or storage facilities and 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 store 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 when certain network services and phone features are in use. When you cannot use this function, contact your local service provider.

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.

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, 999 or other official emergency number). Emergency numbers vary by location.
3. 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.

- Do not paint the phone. Paint can clog the devices 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.

Radio Frequency (RF) Signals

This VK160 model meets international standards for exposure to radio waves. Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

Those guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines 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. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.

Tests for SAR are conducted in accordance with CENELEC testing procedures using standard operating positions 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 operation 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 of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines.

Glossary

The tests are performed in positions and locations (e.g., at the ear and worn on the body) that conform to a uniform testing methodology determined by an expert standards body. The highest SAR values of this model are DCS band head SAR : 0.635W/kg, GSM band head SAR : 1.480W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirement for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

* **The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.**

* CENELEC is a European Union standard body.

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

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.

OTHER FUNCTIONS

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

The function of this key : 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

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 manual.

FCC RF EXPOSURE INFORMATION

Read this information before using your phone

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radiofrequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device has been tested for body-worn operation and meets FCC RF exposure guidelines. Body-worn operation is restricted to accessories that maintain a minimum of 1.5cm separation to the body and do not contain metallic components. Use of any other body-worn accessories may not comply with FCC RF exposure guidelines. For more information about RF exposure, please visit the FCC website at www.fcc.gov

Specific Absorption Rate (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user for a wireless handset. The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SAR's do not represent a variation in safety. All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6W/kg averaged over 1 gram of tissue are considered safe for use by the public. The highest reported SAR values of VK160 are :

GSM mode-Head : 0.273W/kg Body-worn : 0.302W/kg (averaged over 1gram of tissue.)

PCS mode-Head : 0.343W/kg Body-worn : 0.439W/kg (averaged over 1gram of tissue.)

FCC Radio Frequency Emission

This phone meets the FCC Radio Frequency Emission Guidelines.

FCC ID number : SBWVK160

More information on the phone's SAR can be found from the following

FCC website :<http://www.fcc.gov/oet/fccid>

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions : (1) this device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that may cause undesired operation.

Note 1: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.