Important Safety Precautions

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.



Violation of the instructions may cause serious injury or death.



 Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.



- Never place your phone in a microwave oven as it will cause the battery to explode.
- Do not dispose of your battery by fire or with hazardous or flammable materials.



 Make sure that no sharp-edged items such as animal's teeth, nails, come into contact with the battery. There is a risk of this causing a fire.



- Store the battery in a place out of reach of children.
- Be careful that children do not swallow any parts such as rubber plugs (earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation.

Important Safety Precautions



• Unplug the power cord and charger during lightning storms to avoid electric shock or fire.



 When riding in a car, do not leave your phone or set up the hands-free car kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.



- Do not use a hand-held phone while driving.
- Do not use the phone in areas where its use is prohibited. (For example: aircraft).



- Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.
- Never store your phone in temperatures less than -15°C or greater than 50°C.



• Do not use harsh chemicals(such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.



 Do not drop, strike, or shake your phone severely. Such actions may harm the internal circuit boards of the phone.



• Do not use your phone in high explosive areas as the phone may generate sparks.

 Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause a fire or electric shock.



- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.



- Do not disassemble the phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- Only use the batteries, antennas, and chargers provided and approved by LG. The warranty will not be applied to products provided by other suppliers.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.



• Do not hold or let the antenna come in contact with your body during a call.

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Introduction

Congratulation on your purchase of the MC256 cellular phone that has been designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA). The CDMA system has greatly enhanced voice clarity and can provide various types of advanced features.

This is an advanced and compact phone which has diverse features as follows:

- Large, Easy-to-read, 7 lines display + 1 icon line + 1 menu line
- Keypad: 10 Alphanumeric keys / 2 Soft keys / 1 Clear key / 1 Joystick key for 4 way navigation and OK function / 1 Call key / 1 END/PWR Key / 1 Camera key / 1 MP3/FM key / 1 Side UP-DOWN KEY
- Bluetooth Wireless Technology

- FM Radio
- MP3 Player
- Hot Swappable External Memory
- Digital Camera with Zoom
- · Arabic, English
- SMS
- · Voice Memo, Recorder
- 1000 Phonebook entries
- 72 polyphonic, MP3 and Voice quality Ringtones
- · Speaker Phone
- In call memo, Airplane Mode
- PC Sync for Phonebook, Organiser(Schedule, Todo, Memo), Photo(jpg), MP3(mp3), Movie(MP4), Voice(qcp), Graphics(bmp, png, gif), Sounds(mid, mmf), Video(3gp, 3g2)

Introduction

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Check Accessories

Your mobile phone comes with a AC Adaptor, rechargeable battery, handstrap and headset. Please verify that these accessories are included.

Important Information

This user's manual provides important information on the use and operation of your phone. Please read all the information carefully prior to using the phone for the best performance and to prevent any damage to or misuse of the phone. Any unapproved change or modification will void your warranty.

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Before You Start

Safety Instructions

WARNING! To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc. Use only LG-approved batteries and travel chargers to avoid the damage to the phone. Using other batteries or chargers voids your warranty and may cause an explosion.

Do not use batteries and travel chargers for the other purposes other than their original purpose of using for the phone. Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than -15°C or greater than 50°C, such as outside during a snowstorm or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure. Use caution when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby inadequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aids to determine if they are susceptible to interference from your mobile phone. Turn off your phone in a medical facility or at a gas station. Never place your phone in a microwave oven as it will cause the battery to explode.

IMPORTANT! Please read the TIA Safety Information (on page 78) before using your phone.

Before You Start

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WARNING! Read this information before operating the 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 radio frequency (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.

\Lambda caution

Use only the supplied and approved accessories. Use of unauthorized accessories or modifications could impair call quality, damage the phone, void your warranty. Do not use the phone with a damaged accessories. If the damaged accessories come into contact with the skin, a minor burn may result. Contact your local dealer for a replacement of accessories.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 3/4 inches (2 cm) from the body. To comply with FCC RF exposure requirements, a minimum

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Before You Start

separation distance of 3/4 inches (2 cm) must be maintained between the user's body and the back of the phone, including the antenna. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 3/4 inches (2 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

Vehicle Mounted External Antenna (optional. if available)

A minimum separation distance of 8 inches (20 cm) must be maintained between the user / bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at http://www.fcc.gov/.

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 cause undesired operation.

Before You Start

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Cautions for Battery

- · Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperature : 60°C (140°F).
- Do not incinerate.

Battery Disposal

- Please dispose of your battery properly.
- Do not dispose of your battery in fire or with hazardous or flammable materials.

Charger Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The charger is intended for indoor use only.

Do not expose the battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Cautions

- Only use the batteries and chargers provided or approved by LG. The warranty will not be applied to products provided by other suppliers.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference in this phone.
- Keep your phone in a safe place when not in use.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- This phone has a built-in antenna. As with any other radio-transmitting device, do

Before You Start

not touch the upper part which antenna is mounted while the phone is in use.

- Do not use the cellular phone in areas where its use is prohibited. (For example : aircrafts).
- Do not expose the cellular phone to high temperature or high humidity conditions.
- Avoid shock or impact on the cellular phone.

Before You Start

Getting Started

Phone Components

The following shows key components of your mobile phone.



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Getting Started

Phone Overview

LCD Screen	Displays messages & indicator icons.
Soft Keys (the names of the functions of these keys appear at the bottom of the screen)	Soft Key 1 Vsed to display the function setting menu. Soft Key 2 Searches Contacts, change text input mode. Press to reject the call and send predefind SMS. Press Soft Key 2 during Incoming call to send SMS on Call Reject.
CALL Key	Allows user to place or answer calls.
END / PWR Key	Used to turn power on/off and to end a call. Using this key, you can return to the standby mode. When you press once, while incoming call, the phone stops ringing or vibrating depending on the mode it is in. Press twice to reject the call. Press once to turn off FM Radio, when FM is playing in standby mode.
OK / Speaker on~off Key / Up / Down / Left / Right	Accepts the highlighted choice when navigating through a menu. When pressed long in idle model, activate speaker on/off. This allows quick access to Message Menu (Press long to activate idle noti box popup).

Getting Started

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Alphanumeric Keypad	These keys enable you to enter numbers and characters and choose menu items.
Clear / My Menu	Press to delete a single space or character. Press and hold to delete entire words. Press this key once in any menu to go back to the previous menu. Long Press C to End Call. Connect to My menu in idle mode.
Vibrate Mode Key	In standby mode, set the vibrate mode by pressing and holding the key 📧 about 2 seconds.
Lock Mode key	Use in Main Menu Screen to set the lock function by pressing and holding the key $\boxed{0}_{ment}^{ment}$ for about 3 seconds.
Camera Key	Press button shortly to Camera Menu. Press button long to Camera preview.
International Call Prefix Key	To make an international call, press Head key for 2 or 3 seconds. + means international calling code.
Side FM/MP3 key	Press once to activate MP3 player and press long to activate FM radio.
Side volume key	Adjust volume of MP3 / FM radio or adjust bell volume / call volume.

Getting Started

Getting Started

Onscreen Icons

The phone screen displays several onscreen icons which appear when the phone is powered on.

Icons	Descriptions				
¶∎ i	Displays the strength of the signal received by the phone and current signal strength is indicated by the number of bars displayed on the screen.				
ŝ	No service. The phone is not receiving a system signal.				
¢	In use. A call is in progress. * No icon indicates the phone is in standby mode.				
8	Indicates the third party called during your call.(Three-way call)				
₿c	Indicates airplane mode is on.	٩	In power mode.		
[])	Indicates speaker is on.	2 *	In User mode.		
ŝ	In Vibrate mode.	B	In Silent mode.	Ø	In Alarm mode.
8	Bluetooth is on.	袍	SMS on Call Reject. (Only shown on incoming mode)		
ă,	DUN Active is enable.	8	Bluetooth headset or handsfree is connected.		
8 0	Bluetooth Visibility is on	阘	Indicates a microSD memory card is present.		
J	Indicates headset is connected to phone.				
	Indicates battery charge level. When fully charged, battery icon indicates charging by twinkling.				

Getting Started

MC256 Eng.qxd

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Menu Tree

Messages 1. Write message 2. Inbox 3. Reserved message 1. New reserved msg 2. Reserved msg 3. Failed msg 4. Archive in UIM 5. Outbox 6. Drafts 7. Voice mail 8. Message history

9. Templates 0. Delete messages *. Message settings

Contacts

1 Add new 2. Search 3. Group settings 4. Group manager 5. Speed dials 6. Copy 7. Capacity 8. Delete contacts

Call manager

- 1. Call history 1. Dialed calls
- 2. Received calls

3. Missed calls
4. In call memos
5. Entire history
6. Delete history
2. Call duration
1. All calls
2. Dialed calls
3. Sent counter
3. Call divert
1. All voice calls
2. If busy
3. If not answered
I. Call waiting
5. Call reject
6. Call settings
1. Answer mode
2. Connection alert
Out of service alert
 Minute minder
5. SMS on Call Reject
6. Int'l call prefix
7. Speaker phone

Mv stuff

1. Downloaded 2. My files 3. Default images 4. Default ringtones 5. External memory

Camera
1. Take pictures
2. Take movies
3. Take fun pictures
4. My photo gallery
5. My movie gallery
6. Slide show
7. Photo editor
8. Camera settings
1. Auto save
2. Shutter tones
3. Delete album
4. Lock all albums
5. Memory usage
6. Reset settings
Multimedia
1. MP3

1. MP3 music box 2. MP3 my list 3. MP3 settings 2. Voice recorder 1 Record new 2. Voice records 3. Recorder settings 3. Game 1. Zoozoo club 2. Halloween fever 4. FM Radio

Menu Tree

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Menu Tree

Urganizer
1. Scheduler
2. To-do
3. Anniversary
4. Memo
5. Date counter
6. D-day finder
.
10015
1. Reminder
2. Alarm
3. Calculator
4. Unit converter
1. Length
2. Surface
3. Weight
4. Volume
5. Temperature
6. Velocity
5. Stop watch
6. World time
7. Bluetooth
1. Bluetooth active
2. Paired devices
My visibility
4. DUN active
5. My device info

Settings					
1. Sound					
1. Tones					
2. Effect tones					
3. Alerts					
4. Volume					
2. Display					
1. Main screens					
2. Theme & clock					
3. Menu style					
4. Dialing font					
5. Backlight					
3. Power save					
4. Security					
1. PIN code request					
2. Change PIN code					
3. Lock phone					
4. Auto key lock					
5. Lock outgoing					
6. Lock contacts					
7. Lock messages					
8. Lock call history					
9. Emrgency number					
0. Lockcode setting					
5. Language					
6. Entry method					
7. Airplane mode					
8. Memory status					

- 1. Internal memory info
- 2. External memory info
- 3. Init internal memory
- 4. Init external memory
- 9. My phone number
- 0. Line speed
- *. Version information
- Press Soft Key 1 Menu. Press (to scroll.

Menu Tree

20

8. UTK

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Using the Battery and Charger

Charge the battery fully before the initial use of the phone. The phone comes with a rechargeable battery. Keep the battery charged while not in use in order to maximize talk and standby time when using the phone.

Installing and Removing the Battery

 To install, insert the battery into the opening on the back of the phone, and insert the bottom of battery into groove at the bottom of the handset. Gently press down the cover until the latch snaps into place.

 To remove, push the back cover down. Push the tab with one hand and lift the top of the battery to separate.





Slot

Use only LG-approved battery. Your battery is only available for this model.

Buying the right battery is the best way to ensure it is genuine and safe.

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Using the Battery and Charger

Charging the Battery

To use the AC adapter charger provided with your phone :

- Plug the AC adapter into the electrical outlet.
- Insert the round end of the adapter into the AC adapter jack on the bottom of the phone. (Make sure the battery is installed.)
- As the phone charges, the battery icon continually displays a progression from empty () to full ()

It takes about three hours to fully recharge a completely rundown battery. When fully charged, battery icon indicates charging by twinkling.

Battery Charge Level

The battery charge level is shown at the top right of the LCD screen.



When the battery charge level becomes low, the low battery sensor will alert you in three ways: sounding an audible tone, blinking the battery icon outline, and displaying low battery. Recharge soon. If the battery charge level becomes exceedingly low, the phone will automatically switch off and any function in progress will not be saved.

Using the Battery and Charger

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Caring for the Battery

- If you use the unauthorized battery, it may cause the damage to or explosion of the battery. Therefore, please prohibit using the unauthorized ones.
- You do not need to wait until the battery completely runs down to recharge the battery.
- Use only LG batteries and chargers specific to your model of phone. LG's chargers are designed to maximize battery life.
- Do not disassemble or shortcircuit the battery.
- 5) Keep the battery's metal contacts clean.
- 6) Replace the battery when it no longer provides acceptable

performance. The battery can be recharged several hundred times before it needs replacing.

- Recharge the battery if it has not been used for a long time to maximize battery life.
- Bo not expose the battery charger to direct sunlight or use it in areas of high humidity, such as the bathroom.
- Do not leave the battery in hot or cold places as it may deteriorate battery performance.
- Long backlight settings, searching for service, data connectivity, and synchronization all may affect battery life, talk, and standby times.

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Basic Functions

Turning the Phone On and Off

Turning the Phone On

- Install a charged battery pack or connect the phone to an external power source such as the cigarette lighter charger, car kit or AC Adaptor.
- 2) Hold down the Key 🚯 for 2 seconds until the LCD screen flashes.
- Note As any other communication device, avoid any unnecessary contact with the antenna while your phone is turned on.

Turning the Phone Off

1) Press and hold 🚱 until the display turns off.

Making a Call

Every time you make a call, follow these steps :

- Make sure that the phone is turned on. If not, hold down
 for 2 seconds.
- 2) Type the phone number and then press
 - If the phone is locked, type the lock code.
- 3) To end the call press 🚯 .
- Note In no service area, X appears from the screen. When trying voice call in no service area. "No service area".

Receiving Calls

 When the phone rings or vibrate (if the Vibrate Mode is enabled), press any key (except
) or
 or depending on the Call settings.

Basic Functions

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- When you press is once, when a call is received, the phone stops ringing or vibrating depending on the mode it is in. Press is twice to disconnect.
- 2) To end an answered call press
- If you are not in the condition to receive call, pressing Soft key 2 will disconnect the call and send a preset SMS to Caller. The SMS can be edited using "SMS on call reject" function given under Call settings.

Signal Strength

If you're inside a building, being near a window may give you better reception. You can see the strength of your signal by the signal indicator (Tot) on your phone's display screen.

About the antenna

Your phone has a built-in antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than needed. Not touching the antenna during a call optimizes the antenna performance and the talk-time of your phone. Normal position: Hold the phone as you would any other telephone.

Quick Adjust

Adjusting Vibrate Mode

Use Vibrate Mode in a public place.

 In standby mode, activate Vibrate Mode quickly by pressing the ★ m. (for 2

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Basic Functions

seconds) instead of using the Menu function.

- When Vibrate Mode is set, Key tone does not sound.
- Note To cancel Vibrate Mode, press 🛪 for 2 seconds.

Select Profiles

- 1) In standby mode, press 🌷 .
- Select one of four Profiles Silent mode, Vibrate only, User mode, Power mode with (...).
- 3) Press 🞯 .

Adjusting Speaker On

During a call, to activate or cancel Speaker quickly, press

- In standby mode, activate Speaker Mode by pressing the or 2 seconds.
- Note To cancel Speaker Mode On, press of for 2

seconds.



In case speaker is activated on in standby mode, speaker mode is continued even after a call without respect to adjustment during a call.

Select My menu

- 1) In standby mode, press **c** to select My menu.
- Select the item of choice with

 and then press or select the required menu. You can add the required menu to set shortcut by selecting each Menu
 Options > Set shortcut.

Call Waiting

Your cellular service may offer a call waiting function. While a call is in progress, you may hear two beeps indicating another incoming call. When call waiting

Basic Functions

is enabled, you may put the active call on hold while you answer the other incoming call. Check with your service provider for information about this function.

- Press
 to receive a waiting call.
- Press again to switch between calls.

Mute

The mute function prevents the other party from hearing your voice, but allows you to hear the other party.

- 1) Press Soft Key 1 Menu and **5**³/₂₄ during a call.
- To cancel Mute, press Soft Key 1 Menu and 5²²²² again.

Redialing Calls

1) Press 🔼 twice to redial the last number in Recent Calls.

 You can also dial any of the last 120 (Missed + Received + Dialled + In call memo) numbers stored in the Recent Calls. (See the Call History List on page 42~44)

Speed dials

Speed dialing is a convenient feature, which allows you to make phone calls quickly and easily. Your phone recalls the phone number from your personal directory, displays it briefly and then dials it.

Memory locations 1 through 9 should be used for one-touch dialing for your most frequently used phone numbers.

1) Enter memory location number 1 to 9.

2) Press 🔼 .

Dialing Speed Dials from 10 to 99

Press the first digit and then press

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and hold the key of the last digit. OR Enter the first and second digits and press \frown .

Caller ID

Caller ID lets you know who is calling by displaying the number of the person calling when your phone rings. If the caller's name and number are already stored in your Cantacts, the corresponding name appears with the number. You should check with your service provider to ensure they offer this feature.

Basic Functions

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Entering and Editing Information

Entering Information Using T9 Text Input

You can edit the Scheduler, Text Message and Phone Book using T9 Text Input.

T9 Text is an easy way to write. In this input method, you only need to press a key once for each letter.

Key Functions

Soft Key 2 : Press to select mode.

- You can select the modes using Soft Key 2 : T9En, Abc, T9Fr, Fr_Abc, 123, T9Arab, Arab
- **Soft Key 1** : Press to customize options.
- You can add symbol, ^.^, or templates.
- Set the menu as shortcut.
- ★ to change the letter case.
- 2 abc → √ y work → 10 mode, press one key per letter to enter text.

- One to enter numbers.
- [Onext] (Next) : In T9 mode, press to display other matching words.
- (Punctuation) : In T9 mode, press to insert punctuation in a word and complete a sentence.
- (Space): Press to complete a word or insert a space.
- (Clear) : Press to delete a single space or character. Press and hold to delete entire words.

Input mode

T9 Text Input provides six modes for entering text, numbers, special characters, punctuation and smileys.

T9En / T9Fr/ T9Arab Mode

Type text using one keystroke per letter.

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Entering and Editing Information

Arab / Abc Mode

Use Arab mode for entering text. This mode is used to enter both English and Arabic characters.

Fr_Abc Mode

Use this mode for entering text. This mode is used to enter both French and English characters.

123 (Numbers) Mode

Type numbers using one keystroke per number. To change to 123 mode in a text entry field, press Soft Key 2 and select 123 mode.

Symbol/^.^ Mode

Insert special characters, punctuation, or smileys. You may use any of the special characters. When the cursor is located where you want the special character, switch to Symbols/^.^ mode. If you want to add a smiley, switch to the smileys mode. Press the Navigation Key **()** to cycle through the desired characters : To select Character, Press the assigned number key.

Initial Cap (T9En/ T9Fr)

Only the first letter is capitalized.

Caps Lock (T9EN/ T9FR)

All subsequent letters are capitalized.

Lowercase (T9en/ T9fr)

All subsequent letters are lowercase.

Examples Using T9 Text Input

Typing In T9 Mode

When you want to use T9 Mode, check that T9En is shown at the right bottom of the display. To write the desired word, press each key once for one letter.

Entering and Editing Information

For example, to write "Call the office", follow these steps:

- 1. Press: Soft Key 2 to change letter case to T9En mode.
- Press: 2³/_{abc} 2³/_{bc} 5³/_{jkl} 5³/_{jkl}.
- Press: # to complete the word and add a space.
- 5. Display: Call the office.

As you can see, the word changes after each key press. Therefore you don't need to pay much attention to what happens on the display before you have keyed in the whole word.

Using the NEXT Key

After you have finished typing a word, if the word displayed is not the word you want, press O_{rest} to display additional choices.

For example, follow these steps :

- 1. Press: 4 def 6 def 6 def .
- 2. Display: Good.
- 3. Press: Onext.
- 4. Display: Home, Gone, Hood.....

Examples Using ABC (Multitap) Text input

Typing In ABC (Multi-tap) Mode

For example, to type "LG", follow these steps:

- Press: Soft Key 2 to change letter case to Abc mode.
- Press: 5³₃ 5³₃ 5³₃ ★ m 4³₃.
- 3. Display: LG.

Entering and Editing Information

To Edit in Arab Mode

Key Mapping For Arabic Entry

The Keys are mapped as follows:

Key	Characters			
1		ę	•	! <u>:</u> "@:
2	÷	<u>-</u>	; a	۵
3	I	1]	ع ئ ۇ ى آ
4	س	ش	ص	ض
5	2	ذ	r	د
6	ē	τ	ċ	
7	ن	۵	و	ي
8	ف	ق	ø	م ل
9	ъ	西	٤	ė

Entering and Editing Information

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Menu Features

General Guidelines to Menu Access and Settings

- Press Soft Key 1 Menu. Nine menu items will appear on the display screen.
- Press (●) to go through the list of menu features.
- Press the corresponding number to the menu item that you want to select. Then the sub-menu list will appear on the screen.
- Press the appropriate key to select the sub-menu you want to access.
- Select preferred settings, using the
 . Press C
 to go one step backward while accessing menu or selecting settings.
- Press on to save the settings or C to cancel without saving.

Note of key is equivalent to pressing Soft Key + selecting first option of popup menu in the case of Soft Key 1 is associated with "Options" option.

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Messages

1. Messages

Text message and Voice Mailbox become available as soon as the power is on. You can access the above types of messages using the Message Key . In addition, you can make a call to the call back number by pressing A during a message check.

The phone can store up to 301 messages (1 voice message : 300 text messages) with 160 byte per message.

Users may read and edit messages, saved in the Outbox during transmission and send them.

However you should check whether your service provider provides the above features.

Phone can store SMS messages each in Inbox(300), Outbox(50), Archive(it follows for the UIM card.), Drafts(20) and Templates(10). SMS supports 160 characters(160 in English).

- 1.1 Write message
- Press Soft Key 1 Menu, 1[®]
 or ¹/₀.
- 2. Select 1@ Write message.
- 3. Enter message.
- Use to select Save/Priority for saving message, then press s.
- 5. Select type of message by using (), then press ().
- Normal / Urgent
- Enter destination number or find saved number in the phone book.
- Allows you to be certain the message has gone through.
 When the message has gone through, a confirming message is displayed on the display screen.

Messages

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1.2 Inbox

Received Text messages, Page lists may be searched, and the contents may be viewed. Received messages are sorted in an order of urgent messages, unread messages and read messages. Up to 300 message can be stored.

To view the list of the received messages.

- Press Soft Key 1 Menu, 1 @ or

 .
- 2. Select 2 abc Inbox.
 - Messages are saved in order of Unread/Read. For example, if a New message is read it goes into Read messages. You can initiate a call to any number (greater than 2 digits) in the received message by pressing from message view screen.



 After selecting the desired message with ; press .

Options from inbox :

- Reply This function allows you to reply to this message.
- Forward You can modify the message you've got. Then follow the process for Write.
- Delete all Deletes the all message from the inbox.
- To archive Save messages kept in Inbox and Outbox to UIM card.
- Mark Mark the message and customize it.
- After viewing the message press or .

1.3 Reserved message

Allows you to check all reserved messages.

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Messages

- 1. Press Soft Key 1 Menu, 1 @ or **a**.
- 2. Select 3 def Reserved message.
- 3. After selecting the desired item with ①, press @,
- New reserved msg / Reserved msg / Failed msg

1.4 Archive in UIM

Archive stores what is preferred to save among messages received.

- Press Soft Key 1 Menu, 1[®]
 or ¹/₂.
- 2. Select 4 Archive in UIM.

1.5 Outbox

Up to 50 sent messages can be stored in the Outbox. View lists and contents of sent messages and verify whether the transmission was successful. Only successfuly sent message is saved.

- Press Soft Key 1 Menu, 1[®]
 or ¹/₂.
- 2. Select 5 2 Outbox.
- After selecting the desired message with (); press ().
- Forward You can modify the message you've got. Then follow the process for Write.
- View recipients
- Delete all Deletes the all message from the Outbox.
- ► To archive Save messages kept in Inbox and Outbox to UIM card.
- Mark Mark the message and customize it.

1.6 Drafts

The text message is saved in Drafts. A total of upto 5 messages can be saved in Drafts. When message sending fails, user can save it into drafts or not.

Messages
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- Press Soft Key 1 Menu, 1[®]
 or ¹/₂.
- 2. Select 6 dec Drafts.
- After selecting the desired message with , press

1.7 Voice mail

Allows you to view the new voice messages recorded in the voice mail center. Once you exceed the storage limit, the old messages will be overwritten. When you have a new voice mail your phone will alert you.

- Press Soft Key 1 Menu, 1[®]
 or ¹
- 2. Select 7 Yoice mail.
- ► To delete information press Soft Key 2 **Erase**. To listen information press

1.8 Message history

Allows you to check all messages list.

1. Press Soft Key 1 **Menu**, 1® or

- 2. Select 8 Message history.
- Select Soft Key 1 Options. Or press os to mark message or Soft Key 2 Msg.
 - Mark all / Unmark all / Delete / Delete all / Save number

1.9 Templates

There are 10 predefined phrases included in the Templates.

- Press Soft Key 1 Menu, 1[®]
 or ¹/₂.
- 2. Select 9 Completes.
- After selecting the desired message with ¹/₂.
- Press View : To check the contents entered.

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Messages

- Press Soft Key 1 Edit : To edit the contents entered.
- Press Soft Key 2 Fwd : To forward the contents selected.

1.0 Delete messages

Allows you to delete each folder's message.

- Press Soft Key 1 Menu, 1[®]
 or ¹/₀.
- 2. Select Onext Delete messages.

All inbox /All outbox/All archive/ All draft /All history

1.* Message settings

Allows you to configure settings for messages.

- 1. Press Soft Key 1 Menu, 1[@] or **a**.
- 2. Select ★ Message settings.

1.*.1 Priority

When sending a message, select Normal / Urgent / Emergency

1.*.2 Message save

Allows you to customize message save.

Enable / Disable

1.*.3 Text color

Using (key, select the desired text color to be displayed and press (to set.

1.*.4 Background

Allows you to customize background to be displayed on message. Use to select background and press to set.

1.*.5 Message display

Allows you to customize message display.

Only arrived / All contents

Messages

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Messages / Contacts

1.*.6 Delivery report

Allows you to customize delivery report. Enable / Disable

1.*.7 Sent message

Allows you to check sent messages.

1.*.8 Auto delete

Allows you to delete Inbox message automatically for next receiving SMS. Enable / Disable

2. Contacts

2.1 Add new

You can store multiple contact details under a name:

4 contact numbers. You can also add the name to a group, assign a ring tone for incoming call and message, may add any additional details in Memo. You can also insert and assign the different picture with contact name, calls etc. Total 1000 entries can be stored. UIM card has separate memory.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 Contacts.
- 3. Select 1@ Add new .
- Select location 'Phone' or 'UIM' where you want to store.
- Insert your desire items by pressing ①.
- 5. Press 🞯 to save entry in

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Contacts

your record.

 Please contact your service provider for the memory of UIM card.

2.2 Search

To find phone numbers you have stored in the Contacts.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 abc Contacts.
- 3. Select 2:00 Search .
- 4. You can entry by name or by number.
- 5. Type the starting letter of name or number. Screen will display your choice of entries.
- Press on to edit and Soft key 2 to send message to selected contact.
- 7. Press Soft key 1 for following options:

Send msg / Search by name / Search by number / View by

group / View UIM only / Phone list / Export as VCard / Delete

2.3 Group settings

This is a function for changing Group Name and setting Ring tones by Group.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 Contacts.
- 3. Select 3 def Group settings.
- Select your desired Group using .
- 5. Press Soft Key 1 Options.

Initialize / Initialize all

2.4 Group manager

Allows you to assign and manage contact lists as several groups.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 Contacts.
- 3. Select 4 Group manager.

Contacts

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- 4. Select your desired group using 🔵 and Press 🞯 .
- 5. Press Soft Key 2 Add.
- 6. Mark the contact list to add and press Soft Key 2 Add.

2.5 Speed dials

Speed Dial allows you to make a call faster by just pressing a corresponding number.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 Contacts.
- 3. Select 5³³ Speed dials.</sup>
- To register, press or to add and select auto / manual. Assign the contact list and press or .
- Note Options from speed dials: Substitute dial / Release / Release all / Speed dial map Speed Dial can not be assigned from the RUIM card.

2.6 Copy

You can copy entries from UIM card memory to Phone memory.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 be Contacts.
- 3. Select 6 Copy.
- Select Phone -> UIM or UIM
 -> Phone and press
- Note UIM supports only one number in each contact. So, only default number will be copied in case of Phone -> UIM.
- 5. Select the option Mark all or Unmark all.
- To Copy the source file, select Mark all.
 Copy : Copy the source file.

2.7 Capacity

Memory Info indicates quantity of Contacts presently saved in the card and the phone. It is Contacts

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Contacts / Call manager

indicated as used quantity/available quantity.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 Contacts.
- 3. Select **7**^{STAC} Capacity.

2.8 Delete contacts

To erase all the entries stored in the Contacts.

- 1. Press Soft Key 1 Menu.
- 2. Select 2 dec Contacts.
- 3. Select 8 Delete contacts .
- 4. Select the name of choice with and press or to mark.
- 5. Press Soft Key 2 **Del** to delete contact list.

3. Call manager

3.1 Call history

Allows you to view the 120 most recent phone calls. Once you exceed the (total) 120-number storage limit, the oldest Call History record is overwritten. These calls are divided into 4 types of calls.

- Note You can view Call History in two ways.
 - The
 Key in idle
 mode, up to 120 most
 recent calls including
 Dialled calls, Received
 calls, Missed calls, In call
 memos are displayed.
 }
 - In Call History menu, total 120 numbers are listed under Dialled calls, Received calls, Missed calls, In call memos.

Making a Call from Call History

1. From the Call History menu,

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select Dialled calls, Received calls, Missed calls, In call memos, Entire history, Delete history and press 🚳 .

 Place a call by selecting the desired entry and press to connect.

3.1.1 Dialed calls

Allows you to view list of all Dialled Calls. Maximum 120 (Missed + Received + Dialled + In call memos) numbers are possible.

- Press Soft Key 1 Menu, 3^{def}, 1[@], 1[@].
- 2. Press Soft Key 1 Options. Phone call / Send message / Save to contacts / Call reject / Delete / Delete all
- 3. Press 🐼 to view. Press Soft Key 1 Del. Press Soft Key 2 Back to go previous menu.
- You may place a call by pressing
 .

3.1.2 Received calls

Allows you to view list of all Received calls. Maximum 120 (Missed + Received + Dialled + In call memos) numbers are possible.

- 1. Press Soft Key 1 **Menu**, 3 dif , 1 @ , 2 dif .
- 2. Press Soft Key 1 Options. Phone call / Send message / Save to contacts / Call reject / Delete / Delete all
- Press (b) to view. Press Soft Key 1 Del. Press Soft Key 2 Back to go previous menu.
- You may place a call by pressing
 .

3.1.3 Missed calls

Allows you to view list of all Missed Calls. Maximum 120 (Missed + Received + Dialled + In call memos) numbers are possible.

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Call manager

- Press Soft Key 1 Menu, 3 def , 1@, 3 def .
- 2. Press Soft Key 1 Options. Phone call / Send message / Save to contacts / Call reject / Delete / Delete all
- Press low to view. Press Soft Key 1 Del. Press Soft Key 2 Back to go previous menu.
- You may place a call by pressing

3.1.4 In call memos

Save the phone numbers taken while talking and can view the list of numbers present in In Call Memo.

Maximum 120 (Missed + Received + Dialled+In call memos) numbers are possible.

- 1. Press Soft Key 1 **Menu**, 3 dif , 1 @ , 4 dif .
- 2. Press Soft Key 1 Options.

Phone call / Send message / Save to contacts / Call reject / Delete / Delete all

You may place a call by pressing
 .

3.1.5 Entire history

Allows you to check entire call history.

- Press Soft Key 1 Menu, 3 def , 1 @, 5 323.
- 2. Press Soft Key 1 Options. Phone call / Send message / Save to contacts / Call reject / Delete / Delete all
- Press in to view. Press Soft Key 1 Del. Press Soft Key 2
 Back to go previous menu.
- You may place a call by pressing
 .

3.1.6 Delete history

Allows you to delete call history.

Call manager

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- Press Soft Key 1 Menu, 3^{def}, 1[®], 6^{±±±}.
- Select the item which it will erase with O. Press on to delete.
- 3. Select **Yes** using **(**) and then Press **(**) to delete.

3.2 Call duration

Allows you to check call duration time.

1. Press Soft Key 1 Menu, 3 dof , 2 2

3.2.1 All calls

Keeps a running count of the time spent making all calls, dialled and received.

3.2.2. Dialed calls

Displays total number of dialled calls and total dialled calls duration.

3.2.3. Sent counter

Displays total number of sent messages.

3.3 Call divert

Call divert lets you forward all your incoming calls to another number or Voice mail connection.

- Press Soft Key 1 Menu, 3 def , 3 def .
- All voice calls / If busy / If not answered

3.4 Call waiting

While a call is in progress, you may hear two beeps indicating another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call.

- Press Soft Key 1 Menu, 3 dof , 4 dof .
- Select Enable, Disable.

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Call manager

Note Contact your service provider for more information on Call Forward and Call Waiting.

3.5 Call reject

You can edit your message which can be sent during Call Reject.

- 1. Press Soft Key 1 **Menu**, 3 def , 5 def .
- 2. Enter password.(Default is 0000.)
- 3. Assign number or Assign group.

3.6 Call settings

Allows you to customize call settings.

3.6.1 Answer mode

Allows you to customize answer mode.

 Press Soft Key 1 Menu, 3 def , 6 def , 1 @. Select Any key or Send key only.

3.6.2 Connection alert

This alerts you that the call connection has been established.

- 1. Press Soft Key 1 Menu, 3 der , 6 des , 2 de .
- 2. Select Enable or Disable.

3.6.3 Out of service alert

Allows you to customize out of service alert.

- 1. Press Soft Key 1 Menu, 3 def , 6 def .
- 2. Select Enable or Disable.

3.6.4 Minute minder

Allows you to customize minute minder.

- 1. Press Soft Key 1 Menu, 3 def , 6 def , 4 def .
- 2. Select Enable or Disable.

Call manager

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Call manager / My stuff

3.6.5 SMS on Call Reject

Allows you to customize SMS on call reject.

- 1. Press Soft Key 1 Menu, 3 def , 6 ccc, 5 222.
- 2. Customize SMS on call reject and press 🐵 to save.

3.6.6 Int'l call prefix

Allows you to customize international call prefix.

- 1. Press Soft Key 1 Menu, 3 def , 6 cccs, 6 cccs.
- Customize international call number prefix and press or to save.

3.6.7 Speaker phone

During a call, activate speaker mode on/off.

- 1. Press Soft Key 1 **Menu**, 3 def , 6 ccc, 7 press.
- 2. Select Enable or Disable.

4. My stuff

Allows you to check downloaded (Graphics/Sound), files(Photo / Movie / MP3 / Video / Voice / VCard), default images, ringtones and external memory.

4.1 Downloaded

1. Press Soft Key 1 **Menu**, **4**, <u>1</u>.

Graphics / Sounds

4.2 My files

1. Press Soft Key 1 **Menu**, **4**, **2**,

Photo gallery / Movie gallery / MP3 / Video / Voice / VCard

4.3 Default images

Shows you the images of default.

1. Press Soft Key 1 Menu, 45, 3 def.

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My stuff / Camera

 Press solution to view default images saved on phone.

4.4 Default ringtones

Show you the list of sounds (Dafault) and you can play them.

- 2. Press 🞯 to play default ringtones.

4.5 External memory

You can check space and memory usage of external memory.

1. Press Soft Key 1 **Menu**, **4**, **5**, **5**,

Photo gallery / Movie gallery / MP3 / Video / Voice

5. Camera

Your multimedia phone comes with an easy-to-use built-in camera, which allows you to instantly take, view, and share photos and movies with your friends and family.

Note Internal Memory : Up to 1000, photo & movie can be saved.

> External Memory : Up to 4000, photo & movie can be saved. [For files and folder structure saved in external memory, DCF(Design rule for Camera File system) is applied.

Quick Access to Camera Feature

Pressing the Camera Key (((a))) from standby mode is a hot key to Camera.

5.1 Take pictures Taking a photo with your camera. MC256_Eng.qxd 2/1/08 1

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- 1. Press Soft Key 1 Menu, 5²², 1[@].
- Note Pressing the Camera Key ((③)) for 3 seconds from standby mode is a hot key to Take pictures.
- Set the brightness (), zoom
 , and press Soft Key 1
 Options to change other settings.
 - Select the option(s) to customize.
 - 1. Zoom : 4X Zoom is available except 1280 x 960.
 - 2. Expos: +2.0 EV / +1.5 EV / +1.0 EV / +0.5 EV / 0 EV / -0.5 EV / -1.0 EV / -1.5 EV / -2.0 EV
 - 3. Conti : 1, 3, 6, 9 Sheets
 - 4. Meter : Total / Center
 - 5. W/B : Auto / Cloudy / Daylight / Tungsten / Fluore
 - 6. Illum : General / Night
 - 7. Qual. : High qual / Mid qual / Low qual

- 8. Timer : No / 15 sec / 10 sec / 5 sec / 3 sec
- 9. Filter : No / Negative / Aqua / Sepia / B&W
- 10. **Resol** : 1280x960 / 640x480 / 320x240 /176x220 / Phonebook
- 11. Mem : Internal / External
- Take a photo by pressing log or log .
- - Press Soft Key 2 Rename.
 - Press on to save the photo.

5.2 Take movies

Recoding 2 hours 176 x 144 sized movies with sound.

- 1. Press Soft Key 1 **Menu**, **5**[™], **2**[™].
- Note To save movie, it should be more than 3 seconds.

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Camera

5.3 Take fun pictures

- 1. Press Soft Key 1 **Menu**, **5**³ July , **3** def .
- By using (), customize the zoom, filter, memory, exposure, frame, meter, W/B, illumination, quality and timer.
 - Customize picture options.
 Zoom : Use ① .

Filter : No / Negative / Aqua / Sepia / B&W

Mem : Internal / External

Expos : +2.0 EV / +1.5 EV / +1.0 EV / +0.5 EV / 0 EV / -0.5 EV / -1.0 EV / -1.5 EV / -2.0 EV

Frame : 01 ~ 20

Meter : Total / Center

W/B : Auto / Cloudy / Daylight / Tungsten / Fluore

Illum : Night / General

Qual. : High qual / Mid qual / Low qual

Timer : No / 15 sec / 10 sec / 5 sec / 3 sec

- - Press Soft Key 2 Rename.
 - Press os to save the photo.

5.4 My photo gallery

Look around your photo saved in the phone.

- Press Soft Key 1 Menu, 5端, 4號.
- 2. Select the desired photo and press es to view.

Options from picture view:

Take pictures / Copy/Move file / Send via bluetooth / Delete / Rename / Main theme / Msg theme / Protect / File info.

5.5 My movie gallery Sees the recorded movies.

Camera

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- 1. Press Soft Key 1 **Menu**, **5**端, **5**端.
- Select the desired movie and press or to play.
- 3. Press Soft Key 1 Options. Take movies / Copy/Move file / Delete / Rename / Main theme / Protect / File info

5.6 Slide show

Shows you the selected photo consecutively.

- Press Soft Key 1 Menu, 5³/₁, 6⁶/₁.
- Press Soft Key 2 Add and set the desired images for slide show and highlight the image and press Soft Key 2 Add, and then press es to save it.
- 3. Press Soft Key 1 Options.

Delete Erase the slide show. **Rename** Rename the selected slide show. Effect Customize several effect on slide show. Main theme Set the selected slide show displayed on the main LCD. (Enable / Disable) Delete all Erase all slide show.

5.7 Photo editor

You can edit your captured photo with various options.

- 1. Press Soft Key 1 Menu, **5**³³₃³, **7**³₂³, **7**³₂³,
- 2. Use () to select a photo,
 - Press Soft Key 2 Grid.
 - Press Soft Key 1 Options to select : Lettering / Crop & merge

5.8 Camera settings

1. Press Soft Key 1 Menu, 5³³, 8³⁰.

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Camera

5.8.1 Auto save

- 1. Press Soft Key 1 **Menu**, **5**³³³, **8**³³³, **1**[@].
- Select Enable or Disable with
 then press

5.8.2 Shutter tones

Choose a sound in 3.

- 1. Press Soft Key 1 **Menu**, **5**³³³, **8**³⁰⁰, **2**³⁰⁰.
- Select Sound 1~3 with then press

5.8.3 Delete album

- Press Soft Key 1 Menu, 5³/₂³, 8⁴/₄, 3⁴/₄. Enter four-digit lock code(Default is 0000.).
- Select the menu of your choice by using , then press .
 - Press Soft Key 1 Options to select: Mark all / Unmark all

5.8.4 Lock all albums

- Press Soft Key 1 Menu, 5¹/₁₀, 8¹/₁₀. Enter four-digit lock code(Default is 0000.).
- Select Enable or Disable with
 then press

5.8.5 Memory usage

Select the target memory (internal or external).

- Press Soft Key 1 Menu, 5³³/₁, 8³/₁, 5³/₁.
- Select Internal memory or External memory with then press (1).

5.8.6 Reset settings

Reset all camera settings on factory default settings.

- Press Soft Key 1 Menu, 5³/₁, 8³/₁, 6⁵/₁. Enter four-digit lock code(Default is 0000.).
- Select Yes or No with then press .

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Multimedia

6. Multimedia

6.1 MP3

Quick Access to MP3 Feature

Pressing the MP3 Key (📳) from standby mode is a hot key to MP3 Player.

6.1.1 MP3 music box

Shows the list and play MP3 music.

- Select the desired music list with then press .
- 3. Select Soft Key 1 **Options** to customize the MP3 music.

My list setting / Goto my list / Repeat mode / Rearrangement / Delete / Delete all

Kevs functions are as following:

Soft Key 1: Show you MP3 Play list.

- Soft Key 2: Allows you to change Repeat mode during listening to MP3 file.
- Up Navigation Key: Allows you to set repeating section.
- Right Navigation Key: Press once to go to next song. Press long to fast forward.
- Left Navigation Key: Press once to go to previous song. Press long to fast rebind.



- Down Navigation Key: Stop and Go back to Playlist.
- Press of to Exit MP3 Player.

6.1.2 MP3 my list

A list can hold upto 200 song list. Only 1 mylist is available

1. Press Soft Key 1 **Menu**, **6**[∞], **1**[∞], **2**[∞].

6.1.3 MP3 settings

Allows you to customize MP3 skins.

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Multimedia

- Press Soft Key 1 Menu, 6^{min}/_{min}, 1^(a), 3⁽ⁱ⁾/_{def}.
- Use to highlight one of the settings and press to select it.

MP3 skin / MP3 timer

6.2 Voice recorder

Using voice recorder, save up to Max. 2 hours for each file. Recording time may diminish according to the function circumstances. Max. 300 files can be saved into each Internal and External folders. and check voice records list on Internal or External folders.

- 1. Press Soft key 1 **Menu**, **6**^{±±±}, **2**^{±±±}.

6.2.1 Record new

- 1. Press 🞯 to begin recording.
- 2. Press 🞯 to stop recording.
- Press of to save.
- Press Soft Key 2 Rename.
- ▶ Press Soft Key 1 Delete.

6.2.2 Voice records

After selecting the desired voice memo with 0 ,

Press of to play.

Press Soft Key 1 Options to select: Rename / Set as ringtone / Delete / Delete all

6.2.3 Recorder settings

Use to highlight one of the settings and press on to select it.

- Memory usage (Internal memory / External memory)
- Auto save (Enable / Disable)
- Playback speed (Slow /

Multimedia

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Normal / X2 / X3)

- VOR(When there is no sound or noise during a record, activate pause function automatically.) -(Enable / Disbale)
- Reset settings (Yes / No)

6.3 Game

You can enjoy 2 kinds of games.

- Press Soft Key 1 Menu, 6 (2000), 3 (2000)
- Select Zoozoo club / Halloween fever with then press ().

6.4 FM Radio

You can enjoy FM Radio.

- Attach headset to the headset jack.

- Press Soft key 1 for below options:
- Switch Off Exit this menu.
- Edit Channel Adjust and save channels manually.
- Scan Channel Auto scan and save channels.
- Reset Reset all channels to default mode.
- Listen Via Listen FM Radio via Speaker or Headset.
- Sleep Timer This feature allows user to set a sleep timer based on that the FM radio automatically turns off.
- Note Up to 12 channels can be configured. When using headset, just press headset button to move to next saved channel.

Multimedia

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Organizer

7. Organizer

7.1 Scheduler

Allows you to input your schedule or erase or view. If you input the time and memo, an alarm rings at the set time. Scheduler & Aniversary can be saved up to 160.

- Press Soft Key 1 Menu, 7[™]/_{Pers}, 1[®].
- Select the date using your keypad, then press Soft Key 1 Options

View sche. / View to-do / View anniv. / Search sche. / Go to date / Delete all

7.2 To-do

Up to 80, can be saved.

- Press Soft Key 1 Menu, 7[™] (2[™])
- Press Soft Key 2 Add to write a new event.

3. Press Soft Key 1 Options: Delete / View all / By priorities / Calendar / Mark completed / Search to-do / Del. completed / Delete all

7.3 Anniversary

This helps organize your time and reminds you of important anniversary. Scheduler & Aniversary can be saved up to 160.

- 1. Press Soft Key 1 **Menu**, **7**⁽³⁾ → **3**⁽¹⁾ , **3**⁽¹⁾ .
- 2. Select the date to organize anniversary and press 🐼 .
- Press Soft Key 2 Add and input contents.
- 4. Press 🞯 to save it.
- 5. Press Soft Key 1 **Options**: **Delete / View all / View monthly / Calendar / Search anniv.**

Organizer

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7.4 Memo

Up to 40, can be saved.

- 1. Press Soft Key 1 **Menu**, **7**[™] , **4**[™] .
- Press Soft Key 2 Add to write a new memo.
- After entering characters (For entering characters, refer to pages 29~32) press so to save it.
- 4. Press Soft Key 1 Options: Search memo / Set background / Delete / Delete all

7.5 Date counter

Up to 10, can be saved.

- Press Soft Key 1 Menu, 7⁽²⁾/_{Pers}, 5⁽²⁾/₂.
- Press Soft Key 2 Add to write a new event.
- After entering characters (For entering characters, refer to

pages 29~32) press 🐼 to save it.

 Press Soft Key 1 **Options** to input Symbol and ^.^.

7.6 D-day finder

Allows you to find D-day events.

- 1. Press Soft Key 1 **Menu**, **7**^{s/A²}/_{Pars}, **6**^{ccc}/_{mmo}.
- Set the date to find events and press Soft Key 1 Reg to edit contents.
- 3. Press 國 to save it.
- 4. Press Soft Key 2 Calen.

Organizer

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8. Tools

8.1 Reminder

Allows you to use multiple alarm capabilities.

- Press Soft Key 1 Menu, 8¹/₁, 1^a.
- Set the reminder time and ring type and press (a) to save it.

8.2 Alarm

To change an event alarm time.

- 1. Press Soft Key 1 **Menu**, **8**^{™™}, **2**^{™™}.
- You can change the alarm mode using ▲●> . (Alarm Off / Once / Mon~Fri/ Mon~Sat / Daily)
 - 3. And set the time.
 - AM / PM may be selected using ().
 - 4. Select repeat time 5min /10min /15min.
 - 5. And set Follow profile /

Always vibrate / Always bell.

- With soft key 1 Type, select bell type and press on to save.
 - Ringer volume is controlled according to settings done in Settings > Sound > Volume.
- Note Alarm is disabled when the mobile is switched off. Any alarms that have passed the set limits will automatically expire.

How to Set Snooze

Only when alarm type is ringer, snooze is automatically activated. When no key is input when alarm sounds, Snooze function is set automatically one minute later, and the alarm sounds again after set alarm time.

8.3 Calculator

Calculate simple mathematical computations. (Can get result upto second decimal place.)

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- 1. Press Soft Key 1 Menu, 8⁽¹⁾
- 2. Press 2 and 5 iii in order.
- Select (multiplication) using
 keys.
- 4. Press 1@ and Onext der.
- Select using S
 You will see the result of the calculation 250.
- Note Calculations can be made with up to 32 characters at one time (e.g., 73+01-03 would be 8 characters).

8.4 Unit converter

Unit converter provides various conversion unit like Length, Surface, Weight, Volume, Temperature and Velocity.

Press Soft Key 1 Menu, 8⁻⁻⁻⁻⁻
 4⁻⁻⁻⁻⁻

Length, Surface, Weight,

Volume, Temperature and Velocity

- Enter the Input for Source unit and it displays the result in destination unit.
- Press (or) to select different units of measurement.
- Press or get to switch between source and destination units.

8.5 Stop watch

Stopwatch is available.

- Press Soft Key 1 Menu, 8⁻²⁰⁰⁰/_{tuv}, 5²/₂₀₀.
- Press Soft Key 1 Start. (With Soft Key, you can set Stop / Lap / Conti / Reset)

8.6 World time

Is useful if you need to make a call to another country, and you are not sure about the time difference. DST feature is not available.

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- Press Soft Key 1 Menu, 8²⁰⁰/_{tuv}, 6⁴⁰⁰/_{tuv}.
- Select the city you desire by using (.)
- When press (1), the set city becomes the default city of world clock.
- Note With Soft Key 1 List, you can also select city.

8.7 Bluetooth

The MC256 is compatible with devices that support the Bluetooth® headset (HSP), handsfree (HFP), serial port (SPP), dialup networking (DUN), object push (OPP) for VCard, JPG, MP3. You may create and store 12 pairings within the MC256 and connect to one device at a time. The approximate communication range for Bluetooth® wireless technology is up to 30 feet (10 meters).

Note Read the user guide of each Bluetooth[®] accessory that you are trying to pair with your phone because the instructions may be different. When downloading over resolution 1280 x 960 image through Bluetooth®, the image is not displayed on the phone.

Your phone is based on the Bluetooth® specification, but it is not guaranteed to work with all devices enabled with Bluetooth® wireless technology. Phone does not support ALL Bluetooth® OBEX Profiles.

Bluetooth QD ID B012722

8.7.1 Bluetooth active

Allows you to phone's Bluetooth® power Enable/Disable.

- Press Soft Key 1 Menu, 8⁽¹⁾/₂₀₀₇, 7⁽²⁾/₂₀₀₇, 1⁽²⁾.
- Select Enable / Disable by using then press .
- Note By default, your phone's Bluetooth[®] functionality is turned off.

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8.7.2 Paired devices

Pairing is the process that allows the handset to locate, establish, and register 1-to-1 connection with the target device.

For pairing new Bluetooth® device

- Follow the Bluetooth[®] accessory instructions to set the device to pairing mode.
- Press Soft Key 1 Menu, Time,
 Time, 2 E.
 Set the desired device to pairing.
 Press Soft Key 2 Search.
- If Bluetooth[®] power is set to off, you will be prompted to turn power on. Select 1[®] Yes and press [®].
- The device will appear in Searched Devices menu once it has been located. Highlight the device and press (20).

- The handset will prompt you for the passcode. When paired, move to Paired Devices. Consult the Bluetooth® accessory instructions for the appropriate passcode (typically "0000" - 4 zeroes). Enter the passcode and press ().
- Press Sconnect. (Bluetooth[®] Headset or Bluetooth[®] Handsfree are available to connect.)
- Once connected, you will see the device listed in the Paired Devices menu and the Bluetooth® device connected icon will show up on your enunciator when connected to the Bluetooth® device. You can also check out the connection with a orange icon on the list.
- TIP Bluetooth® wireless connection is dependent on your Bluetooth® devices. You may only be able to connect with one at one time. MC256 only support Mono

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Headset, even if you use Stereo Headset.

8.7.3 My visibility

Allows you to set whether your device is able to be searched by other Bluetooth® devices in the area.

- 1. Press Soft Key 1 **Menu**, **8**⁽²⁾/_{tuv}, **7**^{(2)/(2)}/_{μqrs}, **3**⁽¹⁾/₍₄₎.
- Select Once / Disable by using
 then press
- Note Duration time of Visibility On lasts for 3 minutes.

8.7.4 DUN active

Dial-up Networking to use your phone as a modem to connect to the Internet. While your phone is connected to a PC or PDA, you can dial up the phone to connect to the Internet. To use Sync with Bluetooth, set the DUN active On.

1. Press Soft Key 1 **Menu**, **8**¹/₁₀₀, **7**²/₁₀₀, **4**²/₁₀₀.

Select Enable / Disable by using then press

8.7.5 My device info

Allows you to edit the Bluetooth® name of your phone when Add New Device menu is highlighted.

- 1. Press Soft Key 1 **Menu**, **8**, **7**, **5**, **5**, **1**.
- 2. Press 🞯 to Edit.
- 3. Press **c** to clear the existing name.
- 4. Use the numeric keypad to enter a new custom name.
- 5. Press 🚳 to save and exit.

8.8 UTK

With UTK application, you can enjoy various services.

- 1. Press Soft Key 1 **Menu**, **8**⁽¹⁾/₁₀₀, **8**⁽¹⁾/₁₀₀.
- Select the desired menu by using then press .

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Settings

9. Settings

9.1 Sound

9.1.1 Tones

Allows you to customize tone type.

- Press Soft Key 1 Menu, 9⁽²⁾/_{WXZ}, 1^(a), 1^(a).
- Select the tone type to change with (●).

Basic / Trendy / Delight / Relax / Extreme / Download / MP3 / Voice Record

- 3. Select the desired tone and press Soft Key 1 **Options**, and then select below options. **Incoming bell / PowerOn bell / PowerOff bell / Reminder bell / Alarm bell**
- 4. Press 💿 to save settings.

9.1.2 Effect tones

Allows you to customize effect tone type.

- 2. Select effect tone type: Musical / Business / Xylophone / Piano
- 3. Select the desired tone and press Soft Key 1 **Options**, and then select below options. **Key / Shutter / Menu sound / Message**
- 4. Press 🞯 to save settings.

9.1.3 Alerts

Allows you to customize alerts tone type.

- Press Soft Key 1 Menu, 9⁽²⁾/_{W0yz}, 1^(a), 3⁽ⁱ⁾/_{def}.
- 2. Select alert tone type: Call alerts type / Msg alerts type / Msg alerts cycle
- 3. Press 國 to save settings.

9.1.4 Volume

Allows you to customize several sound volume.

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Settings

- Press Soft Key 1 Menu, 9⁽¹⁾/₍₁₎, 1^(a), 4⁽¹⁾/₍₁₎.
- 2. Select volume type: **Ring tone / Key tone / Shutter tone / Earpiece / Speaker phone / Alarm window / Menu sound / Power on/off / Game**

3. With (), set the volume.

4. Press os to save settings.

9.2 Display

9.2.1 Main screens

2³ abc , 1 @ .

Power off.

Lets you personalize your phone's display by selecting different graphics.

1. Press Soft Key 1 Menu, 9

Incoming call / Power on /

 With (), set the desired image for the Idle screen /

3. Press 📾 to save it.

Settings

9.2.2 Theme & clock Allows you to select a clock on

your mobile phone display.

- 1. Press Soft Key 1 **Menu**, **9**[™], **2**[™], **2**[™].
- Select the item of your choice by using (), then press
 to save it.

9.2.3 Menu style

Allows you to select the menu style.

- 1. Press Soft Key 1 **Menu**, 9², 2³, 2³, 3⁴, 3
- Select Grid style or List style with (•) and then press to save it.

9.2.4 Dialing font

Allows you to customize dialing font displayed on screen.

1. Press Soft Key 1 Menu, 9 and ,

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2³⁰ , 4³

- 2. Set DialSize, DialColour, DialFont.
- 3. Press on to save settings.

9.2.5 Backlight

Choose the settings of the LCD and keypad backlight.

- 1. Press Soft Key 1 **Menu**, 9⁽²⁾
- 2. With **(**), select **Manual** or **Normal**.
- 3. When set as **Manual**, customize settings.
- LCD: Always off / 5sec / 10sec / 20sec / 30sec / 1min
- LCD Brightness: 40%, 60%, 80%, 100%
- Button : Off , 5sec, 10sec
- Press st to save it. After the set time, LCD is dimming for 20 seconds and turns off.

9.3 Power save

This feature helps conserve your battery power by restricting the display.

- 1. Press Soft Key 1 **Menu**, **9**^(±)_{wwyz}, **3**^(±)_{def}.
- Select Enable / Disable by using then press (19).

9.4 Security

Prevents unauthorized use of your phone.

Note The lock code/password on your phone is 0000 by default.

9.4.1 PIN code request

When activated On, phone requests you to enter PIN Code for card-holder verification. When booting phone, enter the PIN Code(personal identification number) of R-UIM Card. Without PIN Code, cannot access to Settings

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contact info, SMS or making a call/answering a call. For further assistance, please contact Service Provider care. **Default Pin Code is 0000.**

- Press Soft Key 1 Menu, 9 (2010)
 and 1 (2010)
- Select Enable / Disable by using then press .
- Please contact your service provider for more information.

9.4.2 Change PIN code

Change PIN code is a function that enables changing of the PIN number, which is saved in the card. First, Select PIN Code request Enable and, if correct PIN is entered, then followed by entering new password for 3 times. If the new password entered for 3 times do not match each other, a message notifies so and new password shall be entered again. Initial PIN number differs depending on the card manufacturer.

- Press Soft Key 1 Menu, 9 km²,
 4 enter four-digit lock code and 2 km².
- Re-enter PIN Code and press
 .

9.4.3 Lock phone

Allows you to lock phone settings.

- Press Soft Key 1 Menu, O , A start of the st
- 2. Select Enable or Disable.

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9.4.4 Auto key lock

Allows you to set auto key lock.

- Press Soft Key 1 Menu, Y , 4 Series enter four-digit lock code and A .
- 2. Select Enable or Disable.

9.4.5 Lock outgoing

Allows you to set outgoing lock.

- Press Soft Key 1 Menu, Signal ,
 Arright enter four-digit lock code and Signal.
- 2. Select Disable/All outgoing calls/Int'l calls.

9.4.6 Lock contacts

Allows you to set lock contacts.

- Press Soft Key 1 Menu, Quit, A enter four-digit lock code and G .
- 2. Select Enable or Disable.

9.4.7 Lock messages

Allows you to set lock messages.

- Press Soft Key 1 Menu, Street, A street, A
- 2. Select Enable or Disable.

9.4.8 Lock call history

Allows you to set lock call history.

- Press Soft Key 1 Menu, Signal ,
 four-digit lock code and Signal .
- 2. Select Enable or Disable.

9.4.9 Emergency number

You can call these numbers 190, 177, 150 even when the phone is locked. To enter 3 emergency numbers.

- Press Soft Key 1 Menu, Signal , <u>4</u> and signal enter four-digit lock code and Signal .
- 2. Press Soft Key 1 Edit.

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- 3. Enter an Emergency number.
- 4. Press 國 to save it.

9.4.0 Lockcode setting

Allows you to set lockcode setting.

- Press Soft Key 1 Menu, 9 km²,
 4 enter four-digit lock code and 0 m².
- Select the item of lockcode setting.

Change lockcode / Lockcode hint

9.5 Language

Set the Trilingual feature according to your preference, choose among French, Arabic and English.

- 1. Press Soft Key 1 **Menu**, 9⁽¹⁾
- 2. Set Français/ اللغة /English with
 - 🏮 and then press 🚳 .

9.6 Entry method

Allows you to set the entry type.

- Select the entry type and press

 to save it.
 T9Fr / Fr_Abc / 123 / T9Arab / Arab / T9En / Abc

9.7 Airplane mode

When your phone is in Airplane Mode, it cannot send or receive any calls or access online information. You may use the phone's other features, such as Game, Scheduler, Memo, etc.

- Select Enable or Disable and press of to save it.

9.8 Memory status Allows you to check memory

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status.

- Press Soft Key 1 Menu, 9^(ζζδβ)/_{WXYZ},
 8^(ζδθβ)/_{UXYZ}.
- 2. Select the item to check memory.

Internal memory info / External memory info / Init internal memory / Init external memory

9.9 My phone number

Allows you to check my phone number.

- 1. Press Soft Key 1 **Menu**, 9⁽²⁾
- 2. Check My num / Contact / Edit hint.

9.0 Line speed

Allows you to check line speed.

- Press Soft Key 1 Menu, 9⁽¹⁾/₂₀₀₇, 0^{next}.
- 2. Set the line speed. USB / 115K / 19.2K

9.* Version information

Allows you to check version information.

- 1. Press Soft Key 1 **Menu**, **9**⁽²⁾/_{wwy}, ★ ⁽⁹⁾/_{wwy}.
- 2. Check Version / Date / Time.

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Functions Used During a Call

Record

(During a Call : Soft 2 key) It allows you to record a conversation during a phone call. As it is recording, the phone displays a countdown timer that shows how many seconds are left for recording.

- Press the Soft2 Key during the call.
- 2. Press 🞯 to begin recording.
- 3. Press 🞯 to stop recording.
- 4. Press 🐼 to save the voice memo.

Options

Memo / Search contacts / Add new contact / Search schedule / Mute or Unmute

Memo

(During a Call : Soft key 1 -7 Options)

It allows you to note a phone number that the other person provides you during a call. The number will be stored in the Call History. Upto 32 number may be saved.

Press the Soft Key 1 during the call.

- 1. Press 1@ Memo.
- Type the phone number and press the Save to save memo.

Mute/Unmute

(During a Call : Soft key 1 **Options**, **S Uptions**, **S Options**, **SOptions**, **S Options**, **S Options**, **SOptions**, **S Options**, **SOptions**, **S Options**, **S Option**

- To enable Mute Function:
- 1. Press the Soft Key 1 -7

Functions Used During a Call

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Options during the call.

2. Press 5 Mute.

• To disable Mute Function:

1. Repeat the procedure.

Adjusting Speaker Mode On

(During a Call : Press (2008)) During a call, to activate or cancel speaker shortly, press (2009).

Call volume

Adjust the Earpiece/Speaker Call Volume with [] during the call.

Functions Used During a Call

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Accessories

There are a variety of accessories available for your mobile phone. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Adaptor



This adaptor allows you to charge the battery. It supports AC 100~240 Volt, 50~60 Hz outlets.

Battery



Headset



Connects to your phone, allowing hands- free operation. Includes earpiece, microphone, and integrated call answer / termination button.

Handstrap



Note

Use only LG-approved battery. Your battery is only available for this model.

Buying the right battery is the best way to ensure it is genuine and safe.
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Frequently Asked Questions

Frequently asked questions

- Q : How do I view the list of Dialled calls, Received calls and Missed calls?
- A : Press 🔼 .
- Q : How do I clear Call History ?
- A : Press $\bigcirc \rightarrow$ Press Soft Key 1 **Options** \rightarrow Select **Delete or Delete all** \rightarrow Press $\bigcirc \rightarrow$ Select **Yes** \rightarrow Press \odot .
- Q : How do I view all numbers stored in memory?
- A : Press Soft Key 2 Contacts.
- Q : How many events can I add to the schedule ?
- A : Total of 160 events.

- Q : How do I clear past schedule stored in Scheduler?
- - Key 1 **Options** \rightarrow **9**
- Q : How many Speed Dial numbers can I store?
- A : Total of 99 numbers.
- Q : How do I send a text message ?

Q : How do I clear the call timer (reset the time used monthly)?

Frequently Asked Questions

- A : Press Soft Key 1 Menu →
 - **3** Call manager \rightarrow **2** Call duration \rightarrow
 - 1 @ All calls → Soft 1

key **Del** \rightarrow Press \otimes .

- Q : How do I find out my lock code ?
- A : The Lock Code / Password on your phone is **0000** by default.
- Q : How many groups are there ?
- A : In Groups, there are Family / Friend / Team / Alumni / ETC / Group6 / Group7 / Group8 / Group9 / Group0. You can edit Group title.

To change Group Name,

1. Press Soft key 1 Menu

\rightarrow 2 Contacts \rightarrow

3 def **Group settings**.

2. Press 🞯 Edit.

- Q: What is the significance of 📽 key ?
- A : Solution Review Rev

quivalent to pressing Soft Key + selecting first option of popup menu, in the case of Soft Key 1 is associated with

"**Options**" option. key for turning the speaker on / off during the call properly.

Frequently Asked Questions

- Q : What is the difference between activating speaker during a call and activating it in Idle mode?
- A : If user want to use speaker ON as default always, user can enable the speaker mode by pressing LONG key.

If user want to use speaker temporarily, he can enable it by pressing key. User can toggle speaker by pressing the same key.

- Q: What is Airplane Mode?
- A : This 'Airplane Mode' function will turn off radio frequency (RF) of mobile, so user can not make the following

Incoming / Outgoing Calls, Sending / Receiving SMS and Data Communication / FM Radio and etc.

Frequently Asked Questions

Before calling for service

Please check to see if any problem which you may have

with your phone is described here before taking it for service or calling a service engineer.

When showing symptoms like:	Check this!
When " ' " does not disappear from the screen.	Check whether it is in service area, and if you continue to see " W " please turn off the power and wait for approximately 2 minutes to turn it back on. If there is no change, check again after relocating to other areas.
When connection is abrupt or is not audible in certain areas.	When frequency environment is unstable in a certain area, connection may be abrupt and not audible. Relocate to other areas and try again.
When connection is not made well or abrupt even when established.	When frequency is unstable or weak, or if there are too many users, connection may be cut off even after it was established. Please try again a little later or try after relocating to other areas.
When LCD does not turn on.	Remove battery and turn on the power after placing it back on. If there is no change even then, sufficiently charge the battery and try again.
When FM Radio is not audible.	Check whether headset is connected to the phone. Fully pressed to the headset to the phone.

Frequently Asked Questions

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When showing symptoms like:	Check this!
When it echoes while connection is made with a certain telephone in a certain area.	Called "Echo Phenomenon," it occurs if connection volume is too high or caused by special properties(semi electronic telephone exchange) of the machine on the other end.
When the phone is heated.	If connection is made for a significantly long duration, or game and Internet and others are used for a long time, the phone may become hot. This has no effect upon the life of the product or performance.
When the Ringer does not ring, or when Backlight or LCD blinks only.	Ringer Type may be set as "Mute". Please select "Ring".
Standby duration for battery gradually becomes shorter.	Because battery wear out, its life gradually becomes shorter. If its life becomes shorter over half of that at the time of purchase, you must purchase a new one.
When usage time of battery becomes shorter.	If time for use of battery is short, it may be due to the user environment, or large volume of calls, or weak signals.

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Safety Guidelines

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies: ANSI C95.1 (1992) * NCRP Report 86 (1986) ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone Operation

NORMAL POSITION : Hold the

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phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on Efficient Operation :

• For your phone to operate most efficiently:

Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

 American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving -driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six(6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent

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Safety Guidelines

with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult the LG Authorised Service Center to discuss alternatives Optional for each phone manufacturer.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to

determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any

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facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted : "Turn off two-way radio". Obey all signs and instructions.

Potentially Explosive Atmosphere

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

Areas with a potentially explosive atmosphere are often, but not

always marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If invehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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Safety Guidelines

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user guide in an accessible place at all the times after reading it.



Violation of the instructions may cause minor or serious damage to the product.

Charger and Adapter Safety

 The charger and adapter are intended for indoor use only.

Battery Information and Care

- Please dispose of your battery properly.
- The battery does not need to be fully discharged before recharging.

- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or shortcircuit the battery.
- Keep the battery's metal contacts clean.
- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, Mini Browser, and data connectivity kits affect battery life and talk/standby times.

 The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.

Explosion, Shock, and Fire Hazards

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.
- When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.

- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may shortcircuit the + and – terminals of the battery (metal strips on the battery) upon moving. Shortcircuit of the terminal may damage the battery and cause an explosion.

General Notice

 Using a damaged battery or placing a battery in your mouth may cause serious injury.

Safety Guidelines

- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- When listening to radio near LCD monitor or notebook, it may cause malfunction of

radio module, interference or noise. For near LCD monitor, stay phone away over 30 Cm. FM Radio is only activated when headset is inserted into the phone.

- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- The power cord on this product will expose you to lead, a chemical known to the State of California to cause (cancer) birth defects or other

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reproductive harm. Wash hands after handling.

- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- Do not turn your phone on or off when putting it in your ear.

FDA Consumer Update



The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known

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adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiationemitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on

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possible effects of wireless phone use on human health. FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term "wireless phone" refers

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here to hand-held wireless phons with built-in antennas, often called "cell", "mobile", or "PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy(RF) because of the short distance between the phone and the user's head. These RF exposures are limited bu Endored Compunications

by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user. the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels. and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have vielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be pre-

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disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them. the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about longterm exposures, since the

average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval

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between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health **Organization International** Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on FMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and **Development Agreement (CRADA)** to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to

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independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafetv/) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones ?

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The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists anring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissuesimulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless

phone complies with safety guidelines.

What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

 If you must convict extended conversations by wireless phone every day, you could place more distance between your body and the source of

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the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary: it was not based on scientific evidence that any health hazard exists

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11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested hearing aids for

interference from handheld wireless phones and helped develop a voluntary standard



sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

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FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- FDA wed page on wireless phones(http://www.fda.gov/ cellphones/)
- Federal Communications Commission(FCC) RF Safety Program(http://www.fcc.gov/ oet/rfsafety/)
- International Commission on Non-ionizing Radiation Protection (http://www.icnirp.de/)

- World Health Organization(WHO) International EMF Project (http://www.who.int/pehemf/en/)
- National Radiological Protection Board(UK) (http://www.hpa.org.uk/ radiation/)