

ENGLISH



KE590 USER GUIDE



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LG Electronics Inc.

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Some of contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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I KE590 User Guide I

- English

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Introduction

Congratulations on your purchase of the advanced and compact KE590 mobile phone, designed to operate with the latest digital mobile communication technology.



This user's guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage or misuse of the phone. Any changes or modifications not expressly approved in this user's guide could void your warranty for this equipment.

For your safety

Warning!

- *Mobile Phones must be switched off at all times in aircrafts.*
- *Do not hold the phone in your hand while driving.*
- *Do not use your phone near petrol stations, fuel depots, chemical plants or blasting operations.*
- *For your safety, use ONLY specified ORIGINAL batteries and chargers.*
- *Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.*
- *Keep the phone in a safe place out of small children's reach. It includes small parts which, if detached, may cause a choking hazard.*

CAUTION!

- *Switch off the phone in any area where required by special regulations. For example, do not use your phone in hospitals or it may affect sensitive medical equipment.*
- *Emergency calls may not be available under all mobile networks. Therefore, you should never depend solely on your mobile phone for emergency calls.*
- *Only use ORIGINAL accessories to avoid damage to your phone.*
- *All radio transmitters carry risks of interference with electronics in close proximity. Minor interference may affect TVs, radios, PCs, etc.*
- *Batteries should be disposed of in accordance with relevant legislation.*
- *Do not dismantle the phone or battery.*
- *Risk of explosion if battery is replaced by an incorrect type.*

Guidelines for safe and efficient use

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal. Further detailed information is given in this manual.

Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information

This mobile phone model KE590 has been designed to comply with applicable safety requirements for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- ▶ The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standardised methods with the phone transmitting at its highest certified power level in all used frequency bands.

- ▶ While there may be differences between the SAR levels of various LG phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- ▶ The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) is 2W/kg averaged over ten (10) gram of tissue.
- ▶ The highest SAR value for this model phone tested by DASY4 for use at the ear is 0.466 W/kg (10g) and when worn on the body is 0.648 W/kg (10g).

Product care and maintenance

Warning!

Only use batteries, chargers and accessories approved for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

Guidelines for safe and efficient use

- ▶ Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- ▶ Keep away from electrical appliances such as a TV's, radios or personal computers.
- ▶ The unit should be kept away from heat sources such as radiators or cookers.
- ▶ Never place your phone in a microwave oven as it will cause the battery to explode.
- ▶ Do not drop.
- ▶ Do not subject this unit to mechanical vibration or shock.
- ▶ The coating of the phone may be damaged if covered with wrap or vinyl wrapper.
- ▶ 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 subject this unit to excessive smoke or dust.
- ▶ Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- ▶ Do not tap the screen with a sharp object as it may damage the phone.
- ▶ Do not expose the phone to liquid or moisture.
- ▶ Use accessories such as earphone and Charger with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.
- ▶ Please remove the data cable before powering on the handset.

Electronic devices

All mobile phones may get interference, which could affect performance.

- ▶ Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over pacemakers (i.e. in your breast pocket.)
- ▶ Some hearing aids might be disturbed by mobile phones.
- ▶ Minor interference may affect TVs, radios, PCs, etc.

Road safety

Check the laws and regulations on the use of mobile phones in the areas when you drive.

- ▶ Do not use a hand-held phone while driving.
- ▶ Give full attention to driving.
- ▶ Use a hands-free kit, if available.
- ▶ Pull off the road and park before making or answering a call if driving conditions so require.
- ▶ RF energy may affect some electronic systems in your motor vehicle such as a car stereo or safety equipment.
- ▶ If your vehicle is equipped with an air bag, do not obstruct it with installed or portable wireless equipment. It can cause serious injury due to improper performance.

If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

Avoid damage to your hearing

Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.

Blasting area

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Potentially explosive atmospheres

- ▶ Do not use the phone at a refuelling point. Don't use near fuel or chemicals.
- ▶ Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle, which contains your mobile phone and accessories.

Guidelines for safe and efficient use

In aircraft

Wireless devices can cause interference in aircraft.

- ▶ Turn off your mobile phone before boarding any aircraft.
- ▶ Do not use it on the ground without crew permission.

Children

Keep the phone in a safe place out of small children's reach. It includes small parts which if detached may cause a choking hazard.

Emergency calls

Emergency calls may not be available under all mobile networks. Therefore, you should never depend solely on your mobile phone for emergency calls. Check with your local service provider.

Battery information and care

- ▶ You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- ▶ Use only LG batteries and chargers. LG chargers are designed to maximize the battery life.
- ▶ Do not disassemble or short-circuit the battery pack.
- ▶ Keep the metal contacts of the battery pack clean.
- ▶ Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times until it needs replacing.
- ▶ Recharge the battery if it has not been used for a long time to maximize usability.
- ▶ Do not expose the battery charger to direct sunlight or use it in high humidity, such as the bathroom.

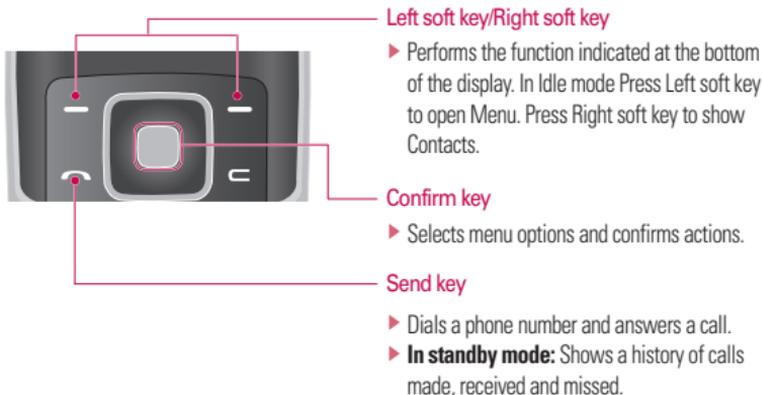
- ▶ Do not leave the battery in hot or cold places, this may deteriorate the battery performance.
- ▶ Risk of explosion if battery is replaced by an incorrect type.
- ▶ Dispose of used batteries according to the manufacturer's instructions.

KE590 features

Parts of the phone

Front view

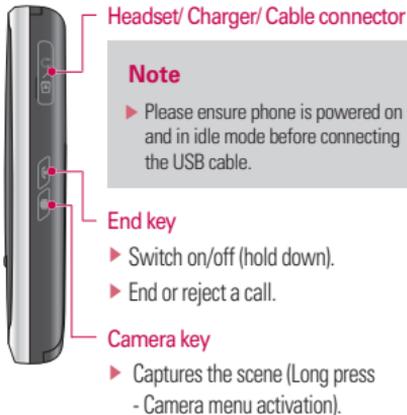




Left side view

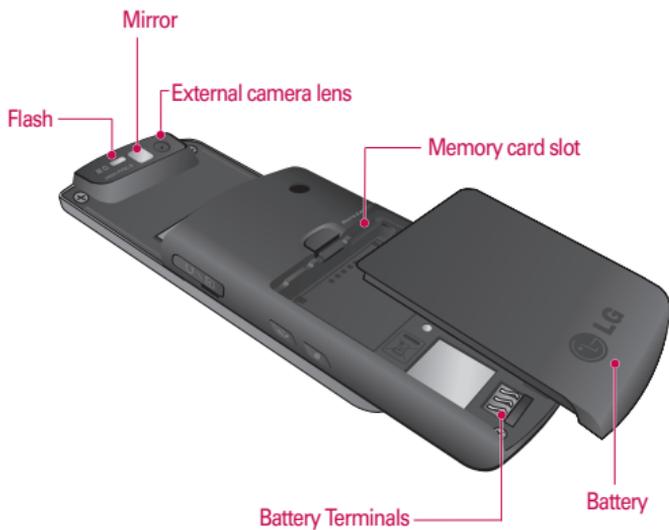


Right side view

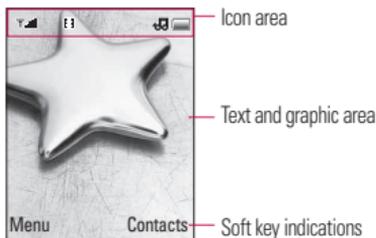


KE590 features

Rear view



Display Information



Area	Description
First line	Displays various icons.
Middle lines	Display messages, instructions and any information that you enter, such as number to be dialed.
Last line	Shows the functions currently assigned to the two soft keys.

The screen displays several icons. These are described below.

On-Screen Icons

Icon	Description
	Tells you the strength of the network signal. *
	You can use GPRS service.
	Shows the EDGE service is available. Connection to the EDGE service allows you to transfer data at a speed of 200Kb/s (depending on network availability). Check with your operator for network coverage and service availability.
	Shows that you are using a roaming service.
	The alarm has been set and is on.

KE590 features

Icon	Description
	Tells you the status of the battery.
	You have received a message.
	You have received a voice message.
	Vibrate only menu in profile.
	General menu in profile.
	Outdoor menu in profile.
	Silent menu in profile.
	Headset menu in profile.
	All calls are diverted.
	You have activated Bluetooth.

* The quality of the conversation may change depending on network coverage. When the signal strength is below 2 bars, you may experience muting, call drop and poor audio. Please refer to this signal as an indicator for your calls. When there are no bars, that means that there is no network coverage: in this case, you won't be able to access the network for any service (call, messages and so on).

Installing the SIM card and the handset battery

Make sure the power is off before you remove the SIM card or battery.

1. Remove the battery.

Press and hold down the battery release button and lift off the battery cover. Turn the phone up-side down, as shown, then press down the battery lightly with your fingers and pull-out the battery.



Note

- ▶ Removing the battery from the phone when the power is on may cause the phone to malfunction.

2. Install the SIM card.

Insert the SIM card into the holder. Slide the SIM card into the SIM card holder. Make sure that the SIM card is inserted properly and that the gold contact area on the card is facing downwards. To remove the SIM card, press down lightly and pull it in the reverse direction.



To insert the SIM card

To remove the SIM card

Note

- ▶ The metal contact of the SIM card can be easily damaged by scratches. Pay special attention to the SIM card while handling. Follow the instructions supplied with the SIM card.

Installation

WARNING!

Do not replace or remove the battery while your phone is being used, data on the SIM card might be damaged.

3. Install the battery.

Insert the battery into the battery compartment as metal contacts meet in the middle of the phone. Push down the top of the battery until it snaps into place. Place the battery cover to the phone as shown.



Charging the Battery

Before connecting the travel adapter to the phone you must first install the battery.



1. Ensure the battery is fully charged before using the phone for the first time.
2. With the arrow facing you as shown in the diagram push the plug on the battery adapter into the socket on the side of the phone until it clicks into place.
3. Connect the other end of the travel adapter to the main socket.



Note

- ▶ Only use the charger included in the box.

4. The moving bars of battery icon will stop after charging is complete.

CAUTION!

- If the battery is completely discharged, the charging display will appear on the LCD approximately 1 to 1.5 minutes after connecting TA.
- Do not force the connector as this may damage the phone or the travel adapter.
- Insert the battery pack charger vertically to wall power outlet.
- If you use the battery pack charger when abroad, use an attachment plug adaptor for the proper configuration.
- Do not remove your battery or the SIM card while charging.

WARNING!

- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Make sure that no sharp-edged items such as animal teeth or nails, come into contact with the battery. This may cause a fire.

Disconnecting the charger

Disconnect the charger from the phone by pulling the connector, not the cord.



Inserting the memory card

Insert the memory card into the slot until the memory card is fully inserted into the slot, as shown in the figure below:



Note

- ▶ The gold connectors must be face down and inserted first into the memory card slot.

Installation

Removing the memory card

Carefully remove the memory card out of the socket, as shown in the figure below:



Note

- ▶ Only use memory cards that have been approved by the manufacturer. Some memory cards might not be compliant with the handset.
- ▶ Removal of an external memory card or turning the mobile phone off while using the card (Store, Copy, Remove, Initialise, Play, etc.) may clear or initialise any stored file, which in turn may lead to severe damage on the card or malfunction of the phone.
- ▶ It is always advised to make a backup of any data stored on your memory card.

General functions

Making a Call

1. Make sure your phone is powered on.
2. Enter a phone number including the area code. To edit a number on the display screen, simply press the  key to erase one digit at a time.
 - ▶ Press and hold the  key to erase the entire number.
3. Press the  key to call.
4. When you want to finish, press the  key.

Making a Call by Send Key

1. Press the  key, and the most recent incoming, outgoing and missed phone numbers will be displayed.
2. Select the desired number by using the navigation key.
3. Press the  key.

Making International Calls

1. Press and hold the  key for the international prefix. The '+' character can be replaced with the international access code.
2. Enter the country code, area code, and the phone number.

3. Press the  key.

Ending a Call

When you have finished a call, press the  key.

Making a Call From the Contact list

You can store names and phone numbers dialled frequently in the SIM card as well as the phone memory.

You can dial a number by simply looking up a name in the contact list.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the side keys of the phone.

In idle mode, you can adjust the key volume using the side keys.

Answering a Call

When you receive a call, the phone rings and the flashing phone icon appears on the screen. If the caller can be identified, the caller's phone number (or name if stored in your Address Book) is displayed.

General functions

1. Slide up and press the  key or the left soft key to answer an incoming call. If the Any Key menu option (Menu 9.5.2), has been set to any key press will answer a call except for the  key or the right soft key.
2. End the call by pressing the  key.

Note

- ▶ You can answer a call while using the Address Book or other menu features. In case phone is connected with PC via USB cable, call and messages are not available.

Entering text

You can enter alphanumeric characters by using the phone's keypad. For example, storing names in the Address Book, writing a message, creating scheduling events in the calendar all require entering text. The following text input methods are available in the phone.

Note

- ▶ Some fields may allow only one text input mode (e.g. telephone number in address book fields).

Vibrate Mode (Quick)

Vibrate Mode can be activated by pressing and holding the left navigation key.

Signal Strength

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

T9 Mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional ABC mode.

ABC Mode

This mode allows you to enter letters by pressing the key labelled with the required letter once, twice, thrice or four times until the letter is displayed.

123 Mode (Numbers Mode)

Type numbers using one keystroke per number. To change to 123 mode in a text entry field, press  key until 123 mode is displayed.

Symbolic Mode

This mode allows you to enter special characters. Press  key to enter symbols. Use the navigation keys to select the desired symbol and press the [OK] key.

Changing the Text Input Mode

1. When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the upper right corner of the display.
2. If you want to change modes, press . The available modes are changed.

Using the T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum number of key presses. As you press each key, the phone begins to display the characters that it thinks you are typing based on a built-in dictionary. As new letters are added, the word changes to reflect the most likely candidate from the dictionary.

Note

- ▶ You can select a different T9 language from the menu option or press hold down the key . The default setting on the phone is T9 enable mode.

1. When you are in the T9 predictive text input mode, start entering a word by pressing keys  to . Press one key per letter.
 - ▶ The word changes as letters are typed—ignore what's on the screen until the word is typed completely.
 - ▶ If the word is still incorrect after typing completely, press the down navigation key once or more to cycle through the other word options.

General functions

Example: Press     to type Good.

▶ If the desired word is missing from the word choices list, add it by using the ABC mode.

2. Enter the whole word before editing or deleting any key strokes.

3. Complete each word with a space by pressing the key  or  key.

To delete letters, press . Press and hold down  to erase the letters continuously.

Note

▶ To exit the text input mode without saving your input, press . The phone returns to the idle screen.

Using the ABC Mode

Use the  to  keys to enter your text.

1. Press the key labeled with the required letter:

- ▶ Once for the first letter.
- ▶ Twice for the second letter.
- ▶ And so on.

2. To insert a space, press the  key once. To delete letters, press the  key. Press and hold down the  key to erase the letters continuously.

Note

▶ Refer to the table below for more information on the characters available using the keys.

Key	Characters in the order display	
	Upper case	Lower Case
	.,-?!'@:1	.,-?!'@:1
	ABC2	abc2
	DEF3	def3
	GHI4	ghi4
	JKL5	jkl5
	MN06	mno6
	PQRS7	pqrs7
	TUV8	tuv8
	WXYZ9	wxyz9
	Space or long press for 0	Space or long press for 0

Using the 123 (Number) mode

The 123 Mode enables you to enter numbers in a text message (a telephone number, for example).

Press the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

Using the Symbol Mode

The Symbol Mode enables you to enter various symbols or special characters.

To enter a symbol, press the  key. Use the navigation keys or number keys to select the desired symbol and press the [OK] key.

Selection functions and options

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

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



Press the left soft key to access the available Menu.

Press the right soft key to access the available Contacts.

Your phone provides a number of control functions that you can use during a call. To access these functions during a call, press the left soft key  [Options].

During a Call

The menu displayed on the handset screen during a call is different than the default main menu displayed when in idle screen, and the options are described below.

Making a Second Call (Network Dependent)

You can search and dial the number from Address Book to make a second call.

Swapping Between Two Calls

To switch between two calls, press  key or the left soft key, and then select Swap Call.

Answering an Incoming Call

To answer an incoming call when the handset is ringing, simply press the  key. The handset is also able to warn you of an incoming call while you are already on a call. A tone sounds in the earpiece, and the display will show that a second call is waiting.

This feature, known as Call waiting, is only available if your network supports it. For details of how to activate and deactivate it see Call waiting (Menu 9.5.4).

If Call Waiting is on, you can put the first call on hold and answer the second, by pressing the left soft key  .

Rejecting an Incoming Call

You can reject an incoming call without answering by simply pressing the  key.

During a call, you can reject an incoming call by pressing the  key.

Muting the Microphone

You can mute the microphone during a call by pressing the [Mute] key. The handset can be unmuted by pressing the [Unmute]. When the handset is muted, the caller cannot hear you, but you can still hear them.

DTMF tones while calling

To switch on DTMF tones while calling (e.g. to use the phone with an automatic switchboard) press the key [Options] followed by Send DTMF on. Select DTMF off to disable DTMF tones. DTMF tones are normally on.

Conference Calls

The conference service provides you with the ability to have a simultaneous conversation with more than one caller, if your network service provider supports this feature. A conference call can only be set up when you have one active call and one call on hold, both calls having been answered.

Once a conference call is set up, calls may be added, disconnected or separated (that is, removed from the conference call but still connected to you) by the person who set up the conference call. These options are all available from the In-Call menu. The maximum callers in a conference call are five. Once started, you are in control of the conference call, and only you can add calls to the conference call.

Making a Second Call

You can make a second call while currently on a call. Enter the second number and press the  key. When the second call is connected, the first call is automatically placed on hold. You can swap between calls, by pressing the  key.

Setting Up a Conference Call

To set up a conference call, place one call on hold and while the active call is on, press the left soft key and then select the Join menu of Conference call.

Activate the Conference Call on Hold

To activate a conference call on hold, press the  key.

Alternatively press the left soft key [Options] and select Join all/Hold all calls. Other users on hold will stay connected. To return to conference call mode, press the left soft key  [Options] followed by Conference call.

Adding Calls to the Conference Call

To add a call to an existing conference call, press the left soft key, and then select the Join menu of Conference call.

Private Call in a Conference Call

To have a private call with one caller from a conference call, display the number of the caller you wish to talk to on the screen, then press the left soft key. Select the Private menu of

Conference call to put all the other callers on hold.

Ending a Conference Call

Currently displayed caller from a conference call can be disconnected by pressing the  key.

Menu Tree

The menu in this phone can be displayed in 2 ways. One is by grid type or secondly in wheel format. Please note that menu number options are different in each view.

The default setting on the phone is set to show the menu in grid type, so therefore all the menu number selections throughout the manual are shown according to that setting.

The following illustration shows the available menu structure in Grid view and indicates:

- ▶ Number assigned to each menu option.
- ▶ Page where you can find the feature description.

You can go to the desired menu using the left soft key [Menu], navigation keys and the [OK] key. And you can also take a shortcut by pressing the corresponding number key of desired menu after pressing the left soft key [Menu].

1. Browser	2. Call history	3. Tools
1.1 Home	2.1 All calls	3.1 Alarm clock
1.2 Bookmarks	2.2 Missed calls	3.2 Calendar
1.3 Go to URL	2.3 Dialed calls	3.3 Calculator
1.4 History	2.4 Received calls	3.4 Memo
1.5 Settings	2.5 Call duration	3.5 To do
1.6 Information	2.6 Call costs	3.6 Stop watch
	2.7 Data information	3.7 Unit converter
		3.8 World clock
		3.9 SIM services

4. Multimedia
4.1 MP3 player
4.2 Camera
4.3 Video camera
4.4 FM radio
4.5 Voice recorder

5. Messaging
5.1 New message
5.2 Inbox
5.3 Bluetooth box
5.4 Drafts
5.5 Outbox
5.6 Sent
5.7 Listen to voice mail
5.8 Info messages
5.9 Templates
5.0 Settings

6. My stuff
6.1 Images
6.2 Sounds
6.3 Videos
6.4 Others
6.5 Games & Apps
6.6 External memory (When external memory is inserted)

Menu Tree

7. Profiles	8. Contacts	9. Settings
7.1 General	8.1 Search	9.1 Date & Time
7.2 Silent	8.2 New contact	9.2 Languages
7.3 Vibrate only	8.3 Speed dials	9.3 Display
7.4 Outdoor	8.4 Groups	9.4 Connectivity
7.5 Headset	8.5 Copy all	9.5 Calling
	8.6 Delete all	9.6 Security
	8.7 Settings	9.7 Flight mode
	8.8 Information	9.8 Power save
		9.9 Reset
		9.0 Memory status

You can access various WAP (Wireless Application Protocol) services such as banking, news, weather reports and flight information. These services are specially designed for mobile phones and they are maintained by WAP service providers.

Check the availability of WAP services, pricing and tariffs with your network operator and/or the service provider whose service you wish to use. Service providers will also give you instructions on how to use their services.

Once connected, the homepage is displayed. The content depends on the service provider. To exit the browser at any time, press the () key. The phone will return to the idle menu.

Navigating with the WAP browser

You can surf the Internet using either the phone keys or the WAP browser menu.

Using the phone keys

When surfing the Internet, the phone keys function differently to phone mode.

Key	Description
	Scrolls each line of the content area
	Returns to the previous page
	Select options and confirm actions

Using the WAP browser menu

There are various menu options available when surfing the Mobile Web.

Note

- ▶ The WAP browser menus may vary, depending on your browser version.

Home

Menu 1.1

Connects to a homepage. The homepage will be the site which is defined in the activated profile. It will be defined by the service provider if you have not defined it in the activated profile.

Bookmarks

Menu 1.2

This menu allows you to store the URL of favourite web pages for easy access at a later time.

To create a bookmark

1. Press the left soft key  [Options].
2. Select New bookmark and press the OK key.
3. After entering the desired URL and title, press the OK key.

After selecting a desired bookmark, the following options are available.

- ▶ **Connect:** Connects to the selected bookmark.
- ▶ **View:** View the selected bookmark.
- ▶ **New bookmark:** Select this to create a new bookmark.
- ▶ **New folder:** Develop a new folder.
- ▶ **Copy:** Copy the selected bookmark.

▶ **Send URL:** Send the selected bookmark through Text message / Multimedia message.

▶ **Delete all:** Deletes all the bookmarks.

Go to URL

Menu 1.3

You can connect directly to the site you want. After entering a specific URL, press the OK key.

History

Menu 1.4

This menu will shows the recently browsed pages.

Settings

Menu 1.5

You can set the profile, cache and security related to internet service.

Network profiles (Menu 1.5.1)

A profile is the network information used to connect to the Internet.

There are default profiles for some operators, stored in phone memory. It's impossible to edit default profiles.

Each profile has submenus as follows:

- ▶ **Activate:** Activates the selected profile.
- ▶ **View:** You can see the selected profile.
- ▶ **Edit:** You can edit the selected profile.
- ▶ **New profile:** You can add a new profile.
- ▶ **Delete:** Deletes the selected profile from the list.
- ▶ **Reset all:** Allows you to reset all profiles.

Cache (Menu 1.5.2)

The information or services you have accessed are saved in the cache memory of the phone.

Note

- ▶ A cache is a buffer memory, which is used to save data temporarily.

Cookies (Menu 1.5.3)

Check whether a cookie is used or not.

Security certificates (Menu 1.5.4)

You can see the list of personal certificates that have been stored in your phone.

Show image (Menu 1.5.5)

You can select to display image or not during WAP browsing.

Information

Menu 1.6

You can view the information of WAP browser version.

Call history

You can check the record of missed, received, and dialed calls only if the network supports the Calling Line Identification (CLI) within the service area.

The number and name (if available) are displayed together with the date and time at which the call was made. You can also view the number of times you have called.

All calls

Menu 2.1

You can view all lists of outgoing, incoming and missed calls

Missed calls

Menu 2.2

This option lets you view the last 50 unanswered calls. You can also:

- ▶ View the number if available and call it, or save it in the Address Book
- ▶ Enter a new name for the number and save in the Address Book
- ▶ Send a message to this number
- ▶ Delete the call from the list

Dialed calls

Menu 2.3

This option lets you view the last 50 outgoing calls (called or attempted). You can also:

- ▶ View the number if available and call it or save it in the Address Book
- ▶ Enter new name for the number and save in the Address Book
- ▶ Send a message to this number
- ▶ Delete the call from the list

Received calls

Menu 2.4

This option lets you view the last 50 incoming calls. You can also:

- ▶ View the number if available and call it or save it in the Address Book
- ▶ Enter new name for the number and save both in the Address Book
- ▶ Send a message to this number
- ▶ Delete the call from the list

Call duration

Menu 2.5

Allows you to view the duration of your incoming and outgoing calls. You can also reset the call timers.

The following timers are available:

- ▶ **Last call:** Length of the last call.
- ▶ **Dialled calls:** Length of the outgoing calls.
- ▶ **Received calls:** Length of the incoming calls.
- ▶ **All calls:** Total length of all calls made and incoming calls since the timer was last reset.

Call costs

Menu 2.6

Allows you to check the cost of your Last call and All calls.

To check Cost setting, you should check the following menus.

- ▶ **Set credit:** This network service allows you to limit the cost of your calls by selected charging units. If you select Read, the number of remaining unit is shown. If you select Change, you can change your change limit.

- ▶ **Set tariff:** You can set the currency type and the unit price. Contact your service providers to obtain charging unit prices. To select the currency or unit in this menu, you need the PIN2 code.

- ▶ **Auto display:** This network service allows you to see automatically the cost of your last calls. If set to On, you can see the last cost when the call is released.

Data information

Menu 2.7

You can check the amount of data transferred over the network through the GPRS information option.

In addition, you can also view how much time you are online.

Tools

Alarm clock

Menu 3.1

You can set the alarm clock to go on at a specified time.

1. Select On and enter the alarm time you want.
2. Select the repeat period and edit title.
3. Set the Radio alarm On to listen the radio as alarm tone.
4. Press  [save].

Calendar

Menu 3.2

When you enter this menu a calendar will show up. On top of the screen there are sections for date. Whenever you change the date, the calendar will be updated according to the date. And square cursor will be used to locate the certain day. If you see marked date in the calendar, it means that there is a schedule or memo that day. This function helps to remind you of your schedule and memo. The phone will sound an alarm tone if you set this for the scheduler.

To change the day, month, and year.

Key	Description
	Yearly
	Monthly
	Weekly
	Daily

In the scheduler mode, press left soft key  [Options] as follows;

► View

View all schedules and memo for the chosen day. Use ,  to browse through the scheduler lists.

If you want to view the scheduler in detail, press left soft key [Options]. Press left soft key [OK] to View, Delete, New schedule, Send via Text message/Multimedia message/Bluetooth, Edit Calendar, Scheduler tone, All schedules, Go to date, Delete old and Delete all.

▶ **New schedule**

Allows you to add new schedule and memo for the chosen day. You can store up to 100 schedules.

Input the subject and then press left soft key  [OK]. You enter the appropriate information in the follow section; Time, Repeat and Alarm.

▶ **Scheduler tone**

You can set the alarm tone of each chosen date.

▶ **All schedules**

View all schedules and memo for the chosen day. Use ,  to browse through the note lists. If you set alarm for the note, the alarm icon is displayed.

▶ **Go to date**

You can select the date directly.

▶ **Delete all**

You can delete all the notes.

Calculator

Menu 3.3

This contains the standard functions such as +, -, x, / Addition, Subtraction, Multiplication, and Division.

Furthermore, you can use the various function of calculator such as +/-, sin, cos, tan, log, ln, exp, sqrt.

1. Input the numbers by pressing numeric keys.
2. Use a navigation key to select a sign for calculation.
3. Then input the numbers.
4. Press  key to view the result.
5. To input the decimal number, press  key.
6. To end Calculator, press the right soft key  [Back].

Memo

Menu 3.4

1. Select the Memo by pressing the left soft key  [OK].
2. If the entry is empty, press the left soft key  [New].
3. Input the memo and then press left soft key  [Options] > [Save].

To do

Menu 3.5

You can view and create To do notes.

1. Select the To do by pressing the left soft key  [Ok].
2. If the note is not created yet, press the left soft key  [New].
3. Input the note and the schedule date and then press the left soft key  [Options] > [Save].

Stop watch

Menu 3.6

1. Press [Start] to record time and save the lap time by pressing [Lap].
2. Press [Stop] to ascertain the record of lap time.
3. Press [Reset] to default condition.

Unit converter

Menu 3.7

This converts any measurement into a unit you want. There are 7 types that can be converted into units: Currency, Area, Length, Weight, Temperature, Volume and Velocity.

1. You can select one of unit types by pressing  [OK] key.

2. Select the unit you want to convert by pressing , . It's impossible to input "-" symbol in unit converter.

3. Select the standard value by using



World clock

Menu 3.8

Use number keys to select Region and city so as to check its corresponding current Date and Time.

SIM services

Menu 3.9

This menu depends on SIM and the network services.

You can enjoy your multimedia function such as camera, voice recorder, MP3 for your fun and convenience.

Note

- ▶ When the status of the battery indicates low, you may not use Camera or Multimedia function.
- ▶ While using Multimedia function, the status of the battery is changeable.

MP3 player

Menu 4.1

The KE590 has an integrated MP3 player built-in. You can enjoy listening to MP3 music files on a memory in your phone using a compatible headset or via the internal loudspeaker.

Note

- ▶ Because of the small dimension of the speaker, in some cases the audio could be distorted, especially at maximum volume and when there are lots of bass sounds. Therefore, we recommend you to use the stereo headset in order to appreciate the high quality of your music.

The music player supports:

- **MPEG-2 Layer III, MPEG-2.5 Layer III:** Sampling frequency up from 8KHz to 48KHz. Bit rate up to 320Kbps, stereo.
- **AAC:** ADIF, ADTS formats (Sampling frequency from 8KHz to 48KHz)
- **AAC+:** V1: (Bit rate 16~128Kbps)
V2 : (Bit rate 16~48Kbps) (Sampling frequency from 8KHz to 48KHz)

Note

- ▶ KE590 doesn't support the variable bit rate of all mentioned file types. Therefore, you can't change the file from MP3 format to AAC.

Multimedia

You can transfer MP3 files from a compatible PC to the memory in your phone using the Mass Storage.

When you connect the phone to a PC using the USB cable (supplied in the same package), then you can see the removable disk through windows explorer. After you copy songs in removable disk, you should execute safe remove from your system.

Note

- ▶ You should copy MP3 to Sounds folder. If you copy another folder, you can't see MP3 files.
- ▶ The PC should run Windows 98 SE, Windows ME, Windows 2000, Windows XP operating system.



Repeat	
	Repeat all
	Repeat one

Note

- ▶ In case that any invalid file is included in the playlist, an error message will be popped up and go back to the prior screen.

BGM Feature

If you press the Camera button while you are playing MP3 music, the BGM feature is enabled and displays the idle screen. Now you can use other menu items while enjoying MP3 music. (To return to the MP3 Player screen, press the Camera button on the idle screen.) When the BGM feature is on, you can control the volume (Volume button) on the idle screen.

Note

- ▶ Accessing certain features may stop the music due to the memory capacity.

All songs (Menu 4.1.1)

You can see all the music files.

My playlist (Menu 4.1.2)

You can set the music files of your taste.

Settings (Menu 4.1.3)

- **Shuffle:** If you select On, you can listen to the music randomly.
- **Repeat:** This menu allows to set the play mode: Repeat one, Repeat all, Repeat off
- **Equalizer:** This menu helps you to adjust various of environment while listening to the music.
- **Player skin:** You can select the visual effect menus: Skin1, Skin2. This menu allows to change the background of main LCD on playing MP3 file.

Note

- ▶ Music is copyright protected in international treaties and national copyright laws. It may be necessary to obtain permission or a license to reproduce or copy music. In some countries national law prohibits private copying of copyrighted material. Please check the national legislation of the applicable country concerning the use of such material.

Camera

Menu 4.2

Using the camera module built in your phone, you can take pictures of people. Additionally, you can send photos to other people and select photos as wallpaper.

Note

- ▶ When using the camera, power consumption increases. If this icon  appears on the wallpaper, indicating low battery, recharge the battery before use.

Shutter sound is provided even in silent mode .

• To take a picture

Long press the camera  button.

- To take clear pictures, press the camera  button while holding the camera without any movement.
- Appropriately adjust distance to the object that you want take a picture of (more than 50 cm).
- Handle carefully since the camera is vulnerable to shock and use a soft cloth when cleaning the camera lens.

- Do not disassemble or modify the camera as this may lead to fire or malfunctioning.

Note

- ▶ You can adjust the brightness by using the .

- ▶ **Resolution** []: Allows you to set the image size. (1600x1200), (1280x960) (640x480) and (320x240). Multishot is only available with the (320x240), (640x480) pixel resolution.
- ▶ **Quality** []: Allows you to set the image quality from Normal, Fine and Super fine.
- ▶ **Flash** []: Allow you to set the flash when you take a photo in dark place.
- ▶ **Self timer** []: Allows you to select the delay time (Off, 3 seconds, 5 seconds, 10 seconds). Then the phone takes a photo after the specified time.
- ▶ **View options** []: You can set the view options. (Full image/Full screen).
- ▶ **Save to** []: You can choose to save in Phone / External.

- ▶ **Multi shot** []: Allows to take multishot photos successively.
- ▶ **Color effect** []: 4 settings are available.
- ▶ **White balance** []: Allows you to change the settings according to the environment. (Fluorescent/Cloudy/Incandescent/Daylight/Auto)
- ▶ **Shutter tone** []: You can set the sound when taking a picture.
- ▶ **Reset settings** []: Allows you to reset the settings.

Video camera

Menu 4.3

1. Select Video camera menu.
2. Video camera settings menu is the same with Photo camera settings, except following items:
 - ▶ **Video mode** []: Allows you to set the mode and send a video file through MMS or Bluetooth

FM Radio

Menu 4.4

You can search radio stations and enjoy listening to the radio.

Note

- ▶ To improve the radio reception, extend the headset cord which functions as the FM antenna.

1. Press the corresponding number key of a channel to store the currently selected radio station.
2. After presetting radio channels, you can listen to other channel by pressing the corresponding number key (short press).
3. You can access the following option menus by pressing the left soft key  [Options].
 - ▶ **Edit channels:** You can adjust frequency and change the radio station in the selected channel. You can change the frequency 0.1 MHz at a time with Left/Right navigation keys and number keys.

Multimedia

- ▶ **Auto scan:** If you select “Yes” for “Auto Scan Now?” , it will automatically set the radio channel. And When “Save channel “ message will be popped up, if you select Yes, the selected frequency will be stored.
- ▶ **Reset channels:** You can delete all channels you saved.
- ▶ **Listen via speaker:** You can listen to the radio via built-in speaker.

Voice recorder

Menu 4.5

You can record voice memo.

Record

1. Press OK to start recording.
2. If you want to finish recording, press right soft key [Stop].

Album

You can see the Sounds which have been saved in the memory by selecting album.

New message

Menu 5.1

This menu includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service), voice mail, as well as the network's service messages.

Text (Menu 5.1.1)

You can write and edit text message, checking the number of message pages.

1. Enter the New messages menu by pressing the left soft key  [OK].
2. If you want to write a new message, select Text.
3. To make text input easier, use T9.
4. Press [Options] to view the followings.

Options

- ▶ **Send to:** Sends text messages.
 1. Enter numbers of recipient.
 2. Press  key to add more recipients.
 3. You can add phone numbers from the address book.
 4. Press the  [Options] and then press send after entering numbers. If the message sent is failed ,it will be saved in the outbox folder.

▶ Insert

- **Symbol:** You add special characters.
- **Image:** You can insert the Default graphics or graphics in My pictures that are available for short messages.
- **Animation:** You can insert the stored Animations.
- **Sound:** You can insert sounds that are available for short messages.
- **Text template:** You can use Text templates already set in the phone.
- **Contact:** You can insert phone numbers or email addresses in address book.
- **My business card:** You can add your Business card to the message.
- ▶ **Save to drafts:** Stores messages in Drafts.
- ▶ **T9 languages:** Select the language for T9 input mode. You can also deactivate T9 input mode by selecting 'T9 off'.
- ▶ **New T9 word:** Select the New T9 word for inputting New word into the dictionary.
- ▶ **Clear text:** You can clear text while writing SMS.

Messaging

- ▶ **Exit:** If you press Exit while writing a message, you can end the writing message and back to the New Message menu.

Multimedia (Menu 5.1.2)

You can write and edit multimedia messages, checking message size.

1. Enter the New message menu by pressing the left soft key  [OK].
2. If you want to write a new message, select Multimedia.
3. You can create a new message or choose one of the multimedia message templates already made.

Maximum available file size, that can be inserted to MMS-message, is 300 kb.

Options

- ▶ **Send to:** You can send multimedia messages to multiple recipients, priorities your message, and make it sent later as well.
- ▶ **Insert:** You can add Symbol, Image, Video, Sound, New photo, New video, New sound, Text template, Contact, My business card, vCard, vCalendar.

Note

- ▶ All messages will be automatically saved in the outbox folder, after a sending failure.

- ▶ **New slide:** You can insert a new slide.
- ▶ **Preview:** You can preview multimedia messages you have created.
- ▶ **Save:** You can save multimedia messages To drafts or As templates.
- ▶ **Edit subject:** Allows you to modify the subject you have edited.
- ▶ **Slide duration:** You can set the duration of slide of multimedia message.
- ▶ **T9 languages:** Select the language for T9 input mode. You can also deactivate T9 input mode by selecting 'T9 off'.
- ▶ **Exit:** You can get back to the Message menu.

Bluetooth message (Menu 5.1.3)

You can write and edit Bluetooth message.

After writing a Bluetooth message, press the left soft key  [Options]. You can access the following option menus.

- ▶ **Send To:** You can send a message to another device via Bluetooth.
- ▶ **Insert:** You can add Symbol, Text template, Contact.
- ▶ **T9 languages:** Select the language for T9 input mode. You can also deactivate the T9 input mode by selecting 'T9 off'.
- ▶ **Clear text:** You can clear text while writing the message.
- ▶ **Save to drafts:** Select this to save the message in Drafts.
- ▶ **Exit:** If you select this while writing the message, you can exit from writing message and go back to the previous screen. The message you have written is not stored.

Inbox

Menu 5.2

You will be alerted when you have received messages. They will be stored in Inbox.

If the phone shows 'No space for SIM message', you have to delete only SIM messages from Inbox. If the phone displays 'No space for message', you can make space of each repository as deleting messages, media and applications.

* SIM message

SIM message means the message exceptionally stored in SIM card. You can move this message to the phone.

For notified multimedia message, you have to wait for downloading and processing of the message.

To read a message, select one of the messages by pressing the left soft key



- ▶ **View:** You can view the received messages.
- ▶ **Delete:** You can delete the current message.
- ▶ **Reply:** You can reply to the sender.
- ▶ **Forward:** You can forward the selected message to another party.

Messaging

- ▶ **Return call:** You can call back to the sender.
- ▶ **Information:** You can view information about received messages; Sender's address, Subject (only for Multimedia message), Message date & time, Message type, Message size.
- ▶ **Multi delete:** After selecting the messages you want to remove, you can delete the selected messages.
- ▶ **Delete all read:** You can delete all messages read.
- ▶ **Delete all:** You can delete all messages.
- ▶ **Edit:** Modifies the message you choose.
- ▶ **Delete:** Deletes the message you choose.
- ▶ **Information:** You can view information about the message you choose.
- ▶ **Multi delete:** After selecting the messages you want to remove, press OK and you can delete the selected messages.
- ▶ **Delete all:** Deletes all of the messages in the folder.

Bluetooth box

Menu 5.3

You can use the same features as Inbox, Drafts, Outbox and Sent as in the common messages.

Drafts

Menu 5.4

Using this menu, you can preset the messages that you use most frequently. This menu shows the preset message list.

The following options are available.

- ▶ **View:** You can see the messages.

Outbox

Menu 5.5

This menu allows to view the message which is about to send or is failed sending.

After sending the message successfully, the message will be moved to sent box.

- ▶ **View:** You can view the message.
- ▶ **Delete:** You can delete the message.
- ▶ **Resend:** You can resend the selected message.
- ▶ **Edit:** Modifies the message you choose.

- ▶ **Information:** You can check information of each message.
- ▶ **Multi delete:** Select and delete the selected messages.
- ▶ **Delete all:** You can delete all messages in outbox.

Sent

Menu 5.6

This menu allows you to view the messages which are already sent. You can check the time and the contents of message.

Listen to voice mail

Menu 5.7

Once this menu has been selected, simply press the left soft key  [OK] to listen to voice mail. You can also hold down the  key in standby mode to listen to voice mail.

Note

- ▶ When you receive a voice mail, your phone displays the icon and you hear an alert. Please check with your network provider for details of their service in order to configure the handset correctly.

Info messages

Menu 5.8

(Dependent to network and subscription)

Info service messages are text messages delivered by the network to GSM. They provide general information such as weather reports, traffic news, taxis, pharmacies, and stock prices.

Each type of has the number; therefore, you can contact service provider as long as you have input the certain number for the information.

When you have received an info service message, you can see the popup message to show you that you have received a message or the info service message is directly displayed.

To view the message again or not in standby mode, follow the sequence shown below;

Read (Menu 5.8.1)

1. When you have received an info service message and select Read to view the message, it will be displayed on the screen. You can read another message by scrolling ,  or  [Next].
2. The message will be shown until another message is reached.

Messaging

Topics (Menu 5.8.2)

(Dependent to network and subscription)

- ▶ **View list:** You can see Info service message numbers which you added. If you press  [Options], you can edit and delete info message category which you added.
- ▶ **Active list:** You can select info service message numbers in the active list. If you activate an info service number, you can receive messages sent from the number.

Templates

Menu 5.9

Text (Menu 5.9.1)

You have 6 text templates as below;

- **Please, call me back.**
- **I'm late. I will be there at**
- **Where are you now?**
- **I'm on the way.**
- **Urgent! Please, contact me.**
- **I love you!**

The following options are available.

- ▶ **View:** You can see text templates.

- ▶ **Edit:** Use this to write a new message or edit the selected template message from the text template list.

▶ Send via

- **Text message:** Use this to send the selected template message by SMS.
- **Multimedia message:** Use this to send the selected template message by MMS.
- **Bluetooth message:** Use this to send the selected template message by Bluetooth.

- ▶ **Delete:** Deletes the template.

- ▶ **New template:** Use this to create new template.

- ▶ **Delete all:** Allows you to delete all text messages.

Multimedia (Menu 5.9.2)

After saving new template, you can use the following options.

- ▶ **View:** You can view the selected template.

- ▶ **Edit:** Modifies the template you choose. Following options are available after selecting edit

- ▶ **Edit subject:** Allows you to modify the subject you have edited.

- ▶ **Remove media:** You can remove the inserted media.
- ▶ **Preview:** You can preview multimedia templates you wrote.
- ▶ **Delete all:** You can delete all templates.
- ▶ **Message center number:** If you want to send the text message, you can receive the address of SMS centre through this menu.
- ▶ **Bearer setting:** You can set the bearer setting such as GSM, GPRS.

Settings

Menu 5.0

Text message (Menu 5.0.1)

- ▶ **Message types: Text, Voice, Fax, Paging, X.400, Email, ERMES**

Usually, the type of message is set to Text. You can convert your text into alternative formats. Contact your service provider for the availability of this function.

- ▶ **Validity period:** This network service allows you to set how long your messages will be stored at the message centre.
- ▶ **Delivery reports:** If you set to Yes, you can check whether your message is delivered successfully.
- ▶ **Reply charging:** When a message is sent, it allows the recipients to reply and charge the cost of the reply to your telephone bill.

Multimedia message (Menu 5.0.2)

- ▶ **Subject:** You can enter multimedia messages subject when this menu is on.
- ▶ **Slide duration:** Displays the duration of each page when writing the message.
- ▶ **Priority:** You can set the priority of the message you choose.
- ▶ **Validity period:** This network service allows you to set how long your multimedia messages will be stored at the message centre.
- ▶ **Delivery reports:** If you set to Yes, you can check whether your message is delivered successfully.
- ▶ **Read report:** You can receive the report whether the receiver read the message or not.

Messaging

▶ **Auto download:** If you select On, you receive multimedia messages automatically. If you select Off, you receive only notification message in the inbox and then you can check this notification. If you select Home network only, you receive multimedia messages depends on Home network.

▶ **Network profile:** If you select multimedia message server, you can set URL for multimedia message server.

▶ **Permitted Message Types**

Personal: Personal message.

Advertisement: Commercial message.

Information: Necessary information.

Voicemail number (Menu 5.0.3)

You can receive the voicemail if your network service provider supports this feature. When a new voicemail is arrived, the symbol will be displayed on the screen. Please check with your network service provider for details of their service in order to configure the phone accordingly.

Push messages (Menu 5.0.4)

You can set the option whether you will receive the message or not.

Info messages (Menu 5.0.5)

▶ **Receive**

On: If you select this menu, your phone will receive Info service messages.

Off: If you select this menu, your phone will not receive Info service messages any more.

▶ **Alert**

On: Your phone will beep when you have received Info service message numbers.

Off: Your phone will not beep even though you have received info service messages.

▶ **Auto display**

On: Your phone will display when you have received info service messages.

Off: Your phone will not display even though you have received info service messages.

► Languages

You can select the language you want by pressing OK key. Then, the info service message will be shown in the language that you selected.

My stuff

Images

Menu 6.1

Shows the list of Image files at My media/Photos in Multimedia memory.

- ▶ **View:** You can see the JPG file when pressing OK key or selecting View menu of Option menus.
- ▶ **Delete:** Delete a file.
- ▶ **Set as**
 - **Wallpaper:** Currently selected image can be set as a wallpaper.
 - **Picture ID:** Currently selected image can be set as a Picture ID.
- ▶ **Send via:** Allows you to send a image through MMS/Bluetooth.
- ▶ **File**
 - **Edit image:** You can edit an image.
 - **Rename:** Change the file name of selected file. You cannot change the extension of file.
 - **Move to folder:** Move the selected file to the folder.
 - **Move to external memory:** Move the selected file to the external memory.
 - **Copy to external memory:** Copy the selected file to the external memory.

- **Information:** Shows the file information.

- ▶ **Print via Bluetooth:** Most pictures that you have taken in the camera mode and downloaded through WAP can be transmitted via Bluetooth to a printer.
- ▶ **Slide show:** You can view a slide show of the files you stored.
- ▶ **New folder:** You can create a new folder.
- ▶ **Multi delete:** You can remove a number of files you selected.
- ▶ **Delete all:** Delete all files in the list.
- ▶ **Sort by:** You can arrange the files as a type and name.
- ▶ **List view/Thumbnail view:** Allows you to set the view type.

Sounds

Menu 6.2

Displays the list of MP3, AAC, M4A files at Sounds in Multimedia memory.

- ▶ **Play:** You can play the MP3 file when pressing OK key or selecting Play menu of Option menu.

- ▶ **Set as:** Currently selected sound can be set as a Ringtone/Ringtone ID
- ▶ **File info:** Show the file information.
- ▶ **Sort by:** You can arrange the images by Type and Name.

Videos

Menu 6.3

Show the list of 3GP, 3G2 files at My media/Videos in Multimedia memory. Supports only .3gp files, that are encoded with MPEG4 and h.263 video-codecs and AMR audio-codec.

- ▶ **Play:** You can play the video file when pressing OK key or selecting Play menu of Option menus.
- ▶ **Delete:** Delete a file.
- ▶ **Send via:** Send the selected file to another device via Multimedia message or Bluetooth.
- ▶ **File:** You can save/move/copy to folder or to external memory.
 - **Rename:** Change the file name of selected file. The maximum length of characters is 71 and you cannot change the extension of file.

Warning!

You can't use the following characters, \/:?"<>|*

- **Move to folder:** Move the selected file to the folder.
- **Move to external memory:** Move the selected file to the Multimedia memory/external memory.

Warning!

If you remove the external memory during copying or moving a file, it could harm the phone or corrupt the memory.

- **Copy to external memory:** Copy the selected file to the external memory.
- **Information:** Show the file information.
- ▶ **New folder:** You can create a new folder.
- ▶ **Multi delete:** You can remove a number of files you selected.
- ▶ **Delete all:** Delete all files in the list.
- ▶ **Sort by:** You can arrange the images by Type and Name.
- ▶ **List view:** Allows you to set the view type.

- ▶ **Landscape mode** : Currently selected video can be displayed horizontally.

Others

Menu 6.4

Show the list of txt, jar,jad, vcs, vcf files at My media\Music in Multimedia memory.

- ▶ **Play**: You can play a file if its type is the one of 3GP, 3G2, MP3, MP4, AAC, and M4A.
- ▶ **View**: You can see a file if its type is the one of JPG, GIF, WBMP and PNG text, vcal and vcard.
- ▶ **Send via Bluetooth**: Send the selected file to another device via Bluetooth.
- ▶ **Sort by**: You can arrange the images by Type and Name.

Note

- ▶ When you connect phone with PC via bluetooth, to Music, Video, Others and Text folders you can write and receive files, and from Photo, Sounds and Images folders you may only receive files, copying files to these folders from PC is impossible. All supported file types you may copy from PC to phone's Others folder, and then you may view or play these files. When connecting with PC via USB cable in internal phone memory you may see only Photo, Music, Others and Video folders, and on external memory card you may see all folders.

Games & Apps

Menu 6.5

In this menu, you can manage the Java applications installed in your phone. You can play or delete downloaded applications, or set the connect option.

External memory Menu 6.6

(When external memory is inserted)

This menu allows you to view Images, Sounds, Videos and Others in memory card. If the external memory is not available, a pop up message “No external memory” is displayed.

Note

- ▶ You can only access the external memory on the phone while the SIM card is inserted.

Profiles

In Profiles, you can adjust and customise the phone tones for different events, environments, or caller groups.

There are five preset profiles: **General**, **Silent**, **Vibrate only**, **Outdoor** and **Headset**.

Each profile can be personalised except Silent and Vibrate. Press the left soft key [Menu] and select Profiles using up/down navigation keys.

Activate (Menu 7.X.1)

1. A list of profiles is displayed.
2. In the Profiles list, scroll to the profile you want to activate and press the left soft key  [OK] or OK key.
3. Then, select Activate.

Personalize (Menu 7.X.2)

Scroll to the desired profile in the Profile list. After pressing the left soft key  or the OK key, select Personalise.

The profile setting option as follows. Set the option as required.

- ▶ **Ring alert type:** Set the alert type for incoming calls.
- ▶ **Ring tones:** Select the desired ring tone from the list.
- ▶ **Ring volume:** Set the volume of the ringing tone.

- ▶ **Message alert type:** Set the alert type for messages.
- ▶ **Message tones:** Select the alert tone for messages.
- ▶ **Keypad tones:** Select the desired keypad tone.
- ▶ **Keypad volume:** Set the volume of keypad tone.
- ▶ **Slide tones:** Allows to set the slide tone.
- ▶ **Effect sound volume:** Set the volume of effect sound.
- ▶ **Power on/off volume:** Set the volume of the ringing tone when switching the phone on/off.
- ▶ **Auto answer:** This function will be activated only when your phone is connected to the handsfree kit.
 - **Off:** The call will be unanswered automatically.
 - **After 5 secs:** After 5 seconds, the call will be answered automatically.
 - **After 10 secs:** After 10 seconds, the call will be answered automatically.

Note

- ▶ All profiles cannot be renamed.

Search

Menu 8.1

1. Select Search by pressing the left soft key  [OK].
2. Enter the name that you want to search.

Note

- ▶ Instant searching is available by inputting the initial letter of the name.

3. If you want to edit, delete, copy an entry, or to add ringtone to one, select left soft key  [Options].

The following menu will be displayed.

- ▶ **View:** You can view each entry in details.
- ▶ **Edit:** You can edit the name, number, group, ringtone and picture by using the navigation key.
- ▶ **New message:** After you have found the number you want, you can send a text/multimedia message to the selected number.
- ▶ **Send via:** You can send the data of phone book via Text message, Multimedia message or Bluetooth.

- ▶ **Delete:** You can delete an entry.
- ▶ **New contact:** After selecting the place (SIM/Phone) you want to save, you can add to the phonebook list.
- ▶ **Multi delete:** Allows you to remove a number of files selected.
- ▶ **Copy to phone/SIM:** You can copy an entry from SIM to phone or from phone to SIM.

New contact

Menu 8.2

You can add phonebook entry by using this function. Phone memory capacity is 1000 entries. SIM card memory capacity depends on the cellular service provider. The number of character is SIM dependent feature.

Note

- ▶ Maximum stored name and number length depends on SIM-card type.

1. Select New contact by press left soft key  [OK].
2. Input a name.

Contacts

3. Press , then you can input a number.
4. You can set a group for the entry by pressing , .
5. You can set a ringtone and a photo for the entry by pressing left soft key  [Options].

Speed dials

Menu 8.3

You can assign any of the keys  to  with a Name list entry. You can call directly by pressing this key.

1. Open the phonebook first by pressing the right soft key  [Contacts] in standby mode.
2. Scroll to Speed dial, then press the left soft key  [OK].
3. If you want to add speed dial, select <Untitled> by pressing the left soft key  [Assign]. Then, you can search the name in phonebook.
4. After assigning the number as speed dial, you can change and delete the entry. You can also make a call or send a message by this number.

Groups

Menu 8.4

You can list up to the members per each group. There are 7 groups you can make lists to.

- ▶ **View members:** Shows the group members you have selected.
- ▶ **Group ringtone:** Allows you to specify ring tone for the group members' call.
- ▶ **Group icon:** Allows you to select the icon dependent on Group.
- ▶ **Add member:** You can add group members.
- ▶ **Remove member:** You can remove the member from the Group member list. But the name and the number will be remained in phonebook.
- ▶ **Rename:** You can change a group name.
- ▶ **Reset all:** Allows you to reset all contacts.

Copy all

Menu 8.5

You can copy entries from SIM card memory to Phone memory and vice versa.

- ▶ **SIM to phone:** You can copy the entry from SIM Card to Phone memory.
- ▶ **Phone to SIM:** You can copy the entry from Phone memory to SIM Card.

Delete all

Menu 8.6

You can delete all entries from SIM or Phone.

Settings

Menu 8.7

1. Press the right soft  [Contacts] in standby mode.
2. Scroll to Settings, then press the left soft key  [OK].

▶ View options

Scroll to highlight View options, and then press the left soft key [OK].

- **Name only:** Set the phonebook list with displaying only name.

- **Name and number:** Set the phonebook list with name and number.

- **With picture:** Set the phonebook list with the information of character and picture.

Information

Menu 8.8

▶ Service dial number

Use this function to access a particular list of services provided by your network operator (if supported by the SIM card).

▶ Own number (SIM dependent)

You can save and check your own number in SIM card.

▶ My business card

This option allows you to create your own business card featuring Name and a mobile phone number.

To create a new business card, press the left soft key  [Add] and enter the information into the fields.

If you want to edit, delete or to send a business card, select left soft key  [options].

Settings

Date & Time

Menu 9.1

You can set functions relating to the date and time.

Set date (Menu 9.1.1)

You can enter the current date.

Date format (Menu 9.1.2)

You can set the Date format such as YYYY/MM/DD, DD/MM/YYYY, MM/DD/YYYY.

(D: Day / M: Month / Y: Year)

Set time (Menu 9.1.3)

You can enter the current time.

Time format (Menu 9.1.4)

You can set the time format between 24 hours and 12 hours.

Auto update (Menu 9.1.5)

Select On, the phone will automatically update the date and time.

Languages

Menu 9.2

You can change the language for the display texts in your phone. This change will also affect the Language Input mode.

Display

Menu 9.3

Wallpaper (Menu 9.3.1)

You can select the background pictures in standby mode.

Backlight timer (Menu 9.3.2)

You can set the light-up duration of the display.

Brightness (Menu 9.3.3)

You can set the brightness of LCD: 100%, 80%, 60%, 40%

Home screen shortcut (Menu 9.3.4)

Selecting On displays the functionalities of 4 Navigation keys and Menu key as pictures on the middle of the idle window. (Profiles/Messaging/Favourites/Contacts)

Menu style (Menu 9.3.5)

Your phone provides you with Grid and Wheel menu themes. Set the menu style by scrolling and pressing the left soft key  [OK].

Dialing style (Menu 9.3.6)

Your phone provides you with three dialing styles. (Robo style/Board style/Sketchbook style)

Standby text (Menu 9.3.7)

If you select On, you can edit the text which is displayed in standby mode.

Network name (Menu 9.3.8)

If this function is activated, network name will be displayed on LCD.

Connectivity Menu 9.4

Bluetooth (Menu 9.4.1)

Bluetooth enables compatible mobile devices, peripherals and computers that are in close proximity to communicate directly with each other without wires.

This handset supports built-in Bluetooth connectivity, which makes it possible to connect them with compatible Bluetooth headsets, computer applications and so on.

Note

- ▶ When you receive data from another Bluetooth device, the phone requests confirmation. After confirming the transfer, the file will be copied on to your phone.
- ▶ Depending on the file type, it will be stored in the following folders:
 - **Video (.3gp, mp4):** Videos folder
 - **Image (.bmp, gif, jpg, png):** Images folder
 - **Sound (.amr, wav, aac):** Sounds folder
 - **MP3 (.mp3):** Sounds/MP3 folder
 - **Other files (.txt, html):** Others folder

Settings

▶ **Bluetooth on/off**

You can activate or cancel the bluetooth function.

▶ **Device list**

You can view all devices which your KE590 is already paired to. If you enter Paired devices, you access the options

- **New:** Allows to search new Bluetooth devices and add them to your phone's list of paired devices. When you select new your headset will start to search for Bluetooth devices within range. Once the device you wish to pair appears on the list press the left soft key [Stop]. Scroll to the desired device and press the left soft key [ok]. You will then be asked to enter a passcode. The passcode can be any code you wish to use (the same passcode must be used by both devices) or is one that is pre-determined by the manufacturer of the device you are trying to pair with. Please check the User Manual of the device you are initiating the pair with to see if it already has a predetermined passcode in place.

- **Rename:** Allows you to change the name of the paired Bluetooth device and how it is displayed on the handset.

- **Set as authorised/Set as unauthorized:** Allows you to set an authorised connection between each Bluetooth device. For example if you regularly use a Bluetooth headset with your phone then setting the connection as authorised will mean the headset will automatically connect to the handset each time the headset is powered on.

- **All services:** Allows to view all services which are supported by bluetooth device.

- **Delete:** Allows to delete a paired bluetooth device.

- **Delete all:** Allows to delete all the paired Bluetooth devices.

▶ **Bluetooth settings**

- **My visibility:** This indicates whether or not your headset will be visible to other Bluetooth devices.

- **My name:** You can set the name of bluetooth device. The default name is LG KE590.

- **My address:** You can view the address of your Bluetooth device.

Network (Menu 9.4.2)

You can select a network which will be registered either automatically or manually.

Network selection (Menu 9.4.2.1)

Usually, the network selection is set to Automatic.

- ▶ **Automatic:** If you select Automatic mode, the phone will automatically search for and select a network for you. Once you have selected "Automatic", the phone will be set to "Automatic" even though the power is turned off and on.
- ▶ **Manual:** The phone will find the list of available networks and shows them. Then you can select the network which you want to use if this network has a roaming agreement with your home network operator. The phone let you select another network if the phone fails to access the selected network.

- ▶ **Preferred:** You can set a list of preferred networks and the phone attempts to register with first, before attempting to register to any other networks. This list is set from the phone's predefined list of known networks.

GPRS attach (Menu 9.4.2.2)

You can set GPRS service depending on various situations.

▶ Power on

If you select this menu, the phone is automatically registered to a GPRS network when you switch the phone on. Starting a WAP or PC dial-up application creates the connection between phone and network and data transfer is possible. When you end the application, GPRS connection is ended but the registration to the GPRS network remains.

▶ When needed

If you select this menu, the GPRS connection is established when you connect a WAP or application service and closed when you end the WAP or application connection.

Settings

Access Point (Menu 9.4.2.3)

- ▶ **View:** You can see the selected profile.
- ▶ **Edit:** You can edit the selected profile.
- ▶ **New access point**
 - **Name:** You can type the network name.
 - **Bearer:** You can set the bearer data service. Data/GPRS

<Data settings>

Appears only if you select Data Settings as a Bearer/service.

- **Dial-up number:** Enter the telephone number to dial to access your WAP gateway.
- **User ID:** The users identity for your dial-up server (and NOT the WAP gateway).
- **Password:** The password required by your dial-up server (and NOT the WAP gateway) to identify you.
- **Call type:** Select the type of data call; Analogue or Digital (ISDN).
- **Call speed:** The speed of your data connection; 9600 or 14400 (Depends on Operator)

- **Linger time:** You need to enter timeout period. After entering that, the WAP navigation service will be unavailable if any data is not input or transferred.

- Primary/Second DNS

<GPRS settings>

The service settings are only available when GPRS is chosen as a bearer service.

- **APN:** Input the APN of the GPRS.
- **User ID:** The user identity for your APN server.
- **Password:** The password required by your APN server.
- **Primary DNS:** Input the IP address of the primary DNS server you access.
- **Second DNS:** Input the IP address of the secondary DNS server you access.
- ▶ **Delete:** Deletes the selected profile from the list.
- ▶ **Reset all:** You can reset all the profiles.

USB connection mode (Menu 9.4.3)

You can choose one mode out of Data service and USB Mass storage.

► USB Mass storage

You can connect your phone to your PC, as a USB storage device, using the cable in three ways.

1. Connect the phone to the PC when the idle(or Top menu) screen is displayed.
2. Connect the phone while it is performing an operation or menu function, and then move to the idle(or Top menu) screen.
3. You can connect your phone to your PC, as a USB storage device.

When you have finished using the phone memory, take the following steps.

New Fantastic LG

The KE590 works as a mass storage device. If you connect the USB cable, you can use the phone as a Removable Disk.

You can download MP3 files, and photos, video, txt files etc. this gives you fast access from PC to Phone, by just connecting the USB cable.

Note

- When USB cable connects with a phone, mass storage function can work in Idle mode. After USB cable connecting with a phone and going to mass storage function, which can work in other mode.
- DO NOT remove the cable while you are downloading files. After you download the files, you need to click Safely Remove Hardware on the PC and then disconnect the cable.

Warning!

Before you remove the cable, it is necessary to follow the steps or, the integrity of transferred data is not guaranteed.

1. Click on the notification area. [Unplug or Eject Hardware]
2. Select USB mass Storage Device, click on Stop. The following message will appear: The 'USB mass Storage Device', device can now be safely removed from the system.

Settings

3. Then remove the cable.

▶ **Data service**

Select the Data Service menu to use the LG Mobile Sync program.

Calling

Menu 9.5

You can find the following options for calling menu.

Call divert (Menu 9.5.1)

The Call divert service allows you to divert incoming voice calls, fax calls, and data calls to another number. For details, contact your service provider.

▶ **All voice calls**

Diverts voice calls unconditionally.

▶ **If busy**

Diverts voice calls when the phone is in use.

▶ **If no reply**

Diverts voice calls which you do not answer.

▶ **If out of reach**

Diverts voice calls when the phone is switched off or out of coverage.

▶ **All data calls**

Diverts to a number with a PC connection unconditionally.

▶ **All fax calls**

Diverts to a number with a fax connection unconditionally.

▶ **Cancel all**

Cancels all call divert service.

The submenus

Call divert menus have the submenus shown below.

- **Activate**

Activate the corresponding service.

To voice mailbox

Forwards to message centre. This function is not shown at All data calls and All fax calls menus.

To other number

Inputs the number for diverting.

To favourite number

You can check recent 5 diverted numbers.

- **Cancel**

Deactivate the corresponding service.

- View status

View the status of the corresponding service.

Answer mode (Menu 9.5.2)

▶ slide open

If you select this menu, you can receive an incoming call when you open the slide.

▶ Any key

If you select this menu, you can receive a call by pressing any key except  [End] key.

▶ Send key only

If you select this menu, you can receive a call by only pressing  [Send] key.

Send my number (Menu 9.5.3) (network and subscription dependent)

▶ Set by network

If you select this, you can send your phone number depending on two line service such as line 1 or line 2.

▶ On

You can send your phone number to another party. Your phone number will be shown on the receiver's phone.

▶ Off

Your phone number will not be shown.

Call waiting (Menu 9.5.4) (network dependent)

▶ Activate

If you select Activate, you can accept a waiting (receiving) call.

▶ Cancel

If you select Cancel, you cannot recognize the waiting (receiving) call.

▶ View status

Shows the status of Call waiting.

Minute minder (Menu 9.5.5)

If you select On, you can check the call duration by a beep sound given every minute during a call.

Auto redial (Menu 9.5.6)

▶ On

When this function is activated, the phone will automatically try to redial in the case of failure to connect a call.

▶ Off

Your phone will not make any attempts to redial when the original call has not connected.

Closed user group (Menu 9.5.7)

Restricts usage of the phone with numbers that belong to certain user groups. When this function is used, every outgoing call is associated with a group index. If a group index is specified, it is used for all outgoing calls.

Send DTMF tones (Menu 9.5.8)

You can send touch tones during an active call to control your voice mailbox or other automated phone services.

Select line (Menu 9.5.9) (SIM dependent)

This menu is shown only if the SIM supports two subscriber numbers, that is, two phone lines. Select which phone line (between Line 1 and Line 2) you want to use for making calls and sending short messages. Calls on both lines can be answered irrespective of the selected line.

Security

Menu 9.6

Note

- ▶ The default security code for this phone is 0000. The PIN 1 and PIN 2 should be provided by service provider of the SIM card.

PIN code request (Menu 9.6.1)

In this menu, you can set the phone to ask for the PIN code of your SIM card when the phone is switched on.

If this function is activated, you'll be requested to enter the PIN code.

1. Select PIN code request in the security settings menu, and then press  [OK].
2. Set On/Off.
3. If you want to change the setting, you need to enter PIN code when you switch on the phone.
4. If you enter wrong PIN code more than 3 times, the phone will be locked, you will need to key in PUK code.

5. You can enter your PUK code up to 10 times. If you put wrong PUK code more than 10 times, you can not unlock your phone. You will need to contact your service provider.

Auto key lock (Menu 9.6.2)

This menu allows to set the time of Auto key lock.

Phone lock (Menu 9.6.3)

You can use a security code to avoid unauthorized use of the phone. Whenever you switch on the phone, the phone will request security code if you set phone lock to When switch on.

If you set phone lock to When SIM changed, your phone will request security code only when you change your SIM card.

Call barring (Menu 9.6.4)

The Call barring service prevents your phone from making or receiving certain category of calls. This function requires the call barring password. You can view the following submenus.

▶ All outgoing

The barring service for all outgoing calls.

▶ Outgoing international

The barring service for all outgoing international calls.

▶ Outgoing international when roaming

The barring service for all international outgoing calls when roaming

▶ All incoming

The barring service for all incoming calls.

▶ Incoming when roaming

The barring service for all incoming calls when roaming.

▶ Cancel all barrings

You can cancel all barring services.

▶ Change password

You can change the password for Call Barring Service.

The submenus:

- Activate

Allows to request the network to set call restriction on.

- Cancel

Set the selected call restriction off.

Fixed dial number (Menu 9.6.5) (SIM dependent)

You can restrict your outgoing calls to selected phone numbers. The numbers are protected by your PIN2 code.

▶ On

You can restrict your outgoing calls to selected phone numbers.

▶ Off

You can cancel fixed dialling function.

▶ Number list

You can view the number list saved as Fixed dial number.

Change codes (Menu 9.6.6)

PIN is an abbreviation of Personal Identification Number to prevent use by unauthorized person.

You can change the access codes:

Security code, PIN1 code, PIN2 code.

1. If you want to change the Security code/PIN1/ PIN2 code input your original code, and then press  [OK].
2. Input new Security code/PIN1/PIN2 code and verify them.

Flight mode Menu 9.7

This allows you to use only the phone's features that do not require the use of the wireless network when you are in an airplane or in places where the wireless network is prevented.

If you set the flight mode on, the icon will be displayed on the screen instead of the network signal icon.

- ▶ **On:** You cannot make (or receive) any calls, including emergency calls, or use other features that require network coverage
- ▶ **Off:** You can deactivate the flight mode.

Power save Menu 9.8

If you set On, this function saves battery power by keeping LCD brightness to 40%.

Reset Menu 9.9

You can initialize all factory defaults. You need Security code to activate this function.

Memory status

Menu 9.0

You can check free space and memory usage of phone, sim card and external memory(if inserted).

Accessories

There are various accessories for your mobile phone. You can select these options according to your personal communication requirements.

Standard Battery

Battery Specification

Type: 800mAh,
Li-Polymer

Talk Time#: 3 hrs @
Power Level 7 (@ EGSM)

Standby#: 250 hours Paging period :9
Variation in operation times may occur depending on SIM card, network condition ,usage style,usage setting and environments.



Data cable/CD

You can connect your phone to PC to exchange the data between them.



Hands free earmicrophone



Travel Adapter

This charger allows you to charge the battery.



Note

- ▶ Always use genuine LG accessories.
- ▶ Failure to do so may invalidate your warranty.
- ▶ Accessories may vary in different regions: please check with our regional service company or agent for further information.

Technical data

General

Product name: KE590

System: GSM900/DCS1800/PCS 1900

Net weight: 57.2g (Without battery)

Ambient Temperatures

Normal: 55°C

Charging: 45°C

Declaration of Conformity



Suppliers Details

Name

LG Electronics Inc

Address

LG Twin Tower 20, Yeouido-dong, Yeongdeungpo-gu Seoul, Korea 150-721

Product Details

Product Name

E-GSM 900 / DCS 1800 / PCS 1900 Tri Band Terminal Equipment

Model Name

KE590i, KE590 i-mode, KE590

Trade Name

LG

CE 0168

Applicable Standards Details

R&TTE Directive 1999/5/EC

EN 301 489-01 v1.6.1 / EN 301 489-07 v1.3.1 / EN 301 489-17 v1.3.1
EN 60950-1 : 2001
EN 50360/EN 50361 : 2001
EN 301 511 V9.0.2
EN 300 328 V1.6.1

Supplementary Information

The conformity to above standards is verified by BABT.

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

Name

Issued Date

Seung Hyoun, Ji / Director

30, August, 2007

European Standard Center
LG Electronics Logistics and Services B.V.
Veluwezoom 15, 1327 AE Almere, The Netherlands
Tel : +31 - 36- 547 - 8940, Fax : +31 - 36 - 547 - 8794
e-mail : jacob @ lge.com


Signature of representative

