



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

KF510 User Guide

Congratulations on your purchase of the advanced and compact KF510 phone by LG, designed to operate with the latest digital mobile communication technology.



Disposal of your old appliance

- 1** When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
- 2** All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- 3** The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
- 4** For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

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Getting to know your phone

ALC (Auto Luminance Control) sensor

Volume key

Charger, Cable, Handsfree connector

Main screen

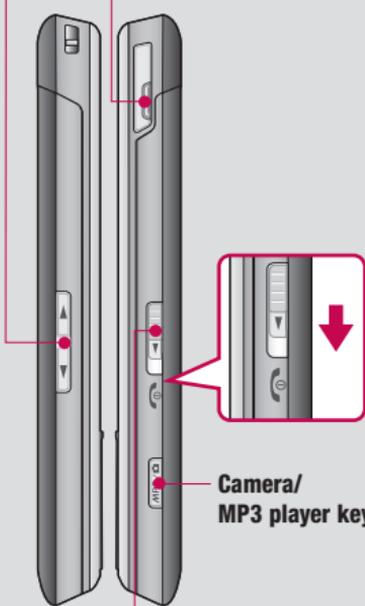
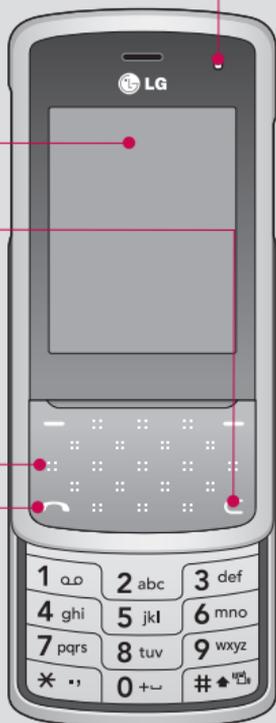
Clear key 

Deletes a character with each press. Use this key to go back to the previous screen.

Touchpad

Call key 

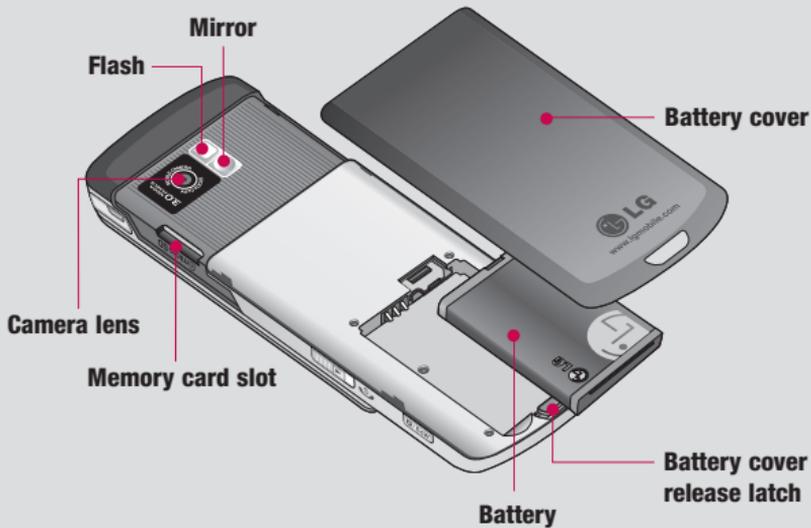
Dials a phone number and answers incoming calls.



End/Power key 

Slide the End/Power key towards bottom of the phone. Ends or rejects a call. Turns the phone on/off. Returns to the standby screen when you use the menu.

Open view



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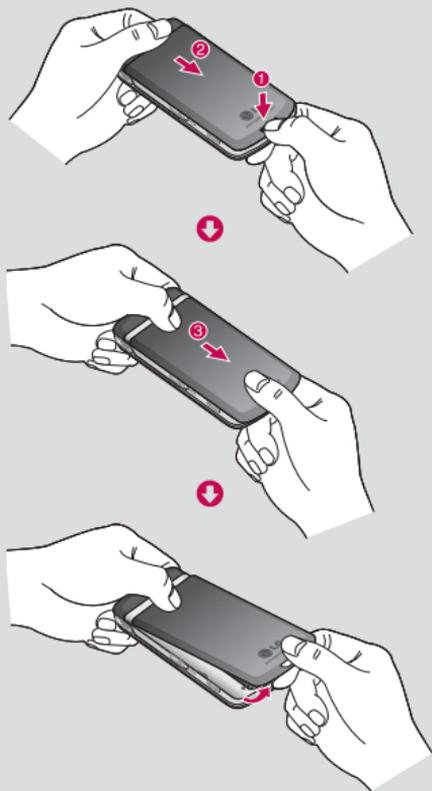
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Installing the SIM and battery

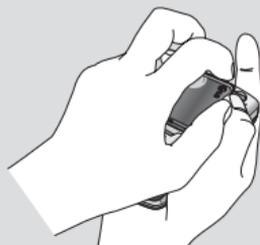
1 Remove the battery cover

Press the battery cover release latch. Slide the battery cover towards the bottom of the phone and away from it.



2 Remove the battery

Lever the bottom edge of the battery and remove it carefully from the battery compartment.

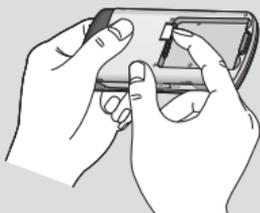
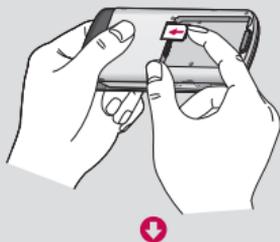
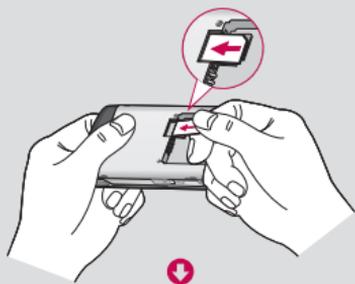
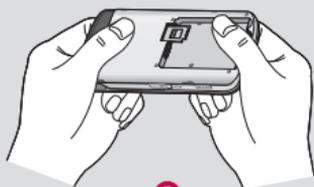


⚠ WARNING: Do not remove the battery when the phone is switched on, as this may damage the phone.

3 Install the SIM card

Pull the SIM card holder open. Slide the SIM card into the SIM card holder and slide the card holder backward. Make sure that the gold contact area on the card is facing downwards. To remove the SIM card, pull it gently in the reverse direction.

⚠ WARNING: Do not insert the SIM card when the slide is open, as this may damage your phone and SIM card.



4 Install the battery

Insert the top of the battery first into the top edge of the battery compartment. Ensure the battery contacts align with the terminals on the phone. Press the bottom of the battery down until it clips into place.



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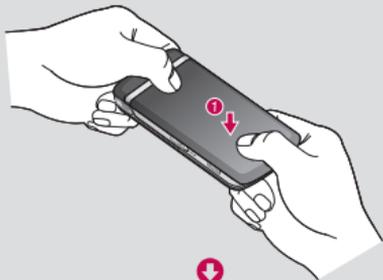
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Installing the SIM and battery

5 Replace the battery cover

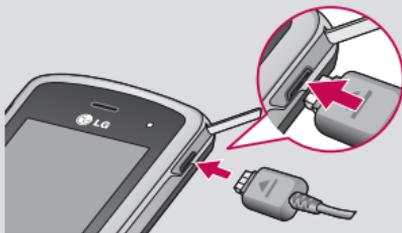
Slide the battery cover towards the top of the phone until it clicks into place.



6 Charging your phone

Pull open the cover of the charger socket on the side of your KF510. Insert the charger and plug into a mains electricity socket. Your KF510 will need to be charged until a message reading Fully Charged appears on screen.

⚠ WARNING: Do not charge the phone when it is on soft furnishings. The phone should be charged in a well ventilated area.



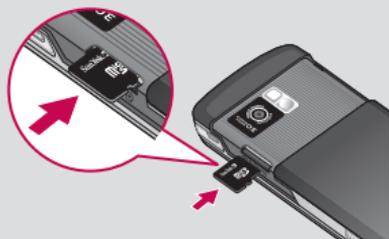
Memory card

Installing a memory card

You can expand the memory space available on your phone using a memory card. The KF510 will support a memory card of up to 2 GB.

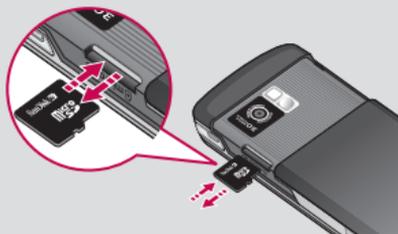
TIP! Memory card is an optional accessory.

Open the slide and insert the memory card. Slide the memory card into the slot at the top, until it clicks into place. Make sure that the gold contact area is facing downwards.



Removing the memory card

Open the slide and carefully remove the memory card by gently pushing it as shown in the following diagram:



Formatting the memory card

If your memory card is not already formatted, you will need to do so before you can begin using it.

- 1 From the standby screen touch **Menu** and select **Settings**.
- 2 Choose **Memory status** and select **External memory**.
- 3 Touch **Format** and enter the password, which is set to 0000 as default. Your card will be formatted and ready to use.
- 4 To view the new formatted folders on your KF510 touch **Menu** and select **My stuff**. Choose **External memory**.

WARNING: When you format your memory card, all the content will be wiped. If you do not want to lose the data on your memory card, back it up first.

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Menu map



Games & Apps

- 1 Games
- 2 Applications
- 3 Network profile



Call history

- 1 All calls
- 2 Missed calls
- 3 Dialed calls
- 4 Received calls
- 5 Call duration
- 6 Call costs
- 7 Data information



Organiser

- 1 Calendar
- 2 Memo



Multimedia

- 1 MP3 player
- 2 Camera
- 3 Video camera
- 4 FM radio
- 5 Voice recorder



Messaging

- 1 New message
- 2 Inbox
- 3 Email box
- 4 Drafts
- 5 Outbox
- 6 Sent
- 7 Listen to voicemail
- 8 Info message
- 9 Templates
- 0 Settings



My stuff

- 1 Images
- 2 Sounds
- 3 Videos
- 4 Documents
- 5 Others
- 6 External memory



Profiles

- 1 General
- 2 Silent
- 3 Vibrate only
- 4 Outdoor
- 5 Headset



Contacts

- 1 Search
- 2 New contact
- 3 Speed dials
- 4 Groups
- 5 Copy all
- 6 Delete all
- 7 Settings
- 8 Information



Tools

- 1 Alarm clock
- 2 Calculator
- 3 Stopwatch
- 4 Unit converter
- 5 World clock
- 6 SIM services



Browser

- 1 Home
- 2 Yahoo!
- 3 Bookmarks
- 4 Enter address
- 5 History
- 6 Saved pages
- 7 Settings
- 8 Information



Connectivity

- 1 Bluetooth
- 2 Network
- 3 USB connection



Settings

- 1 Date & Time
- 2 Languages
- 3 Display
- 4 Call
- 5 Security
- 6 Flight mode
- 7 Power save
- 8 Reset
- 9 Memory status

Your standby screen

Whenever your KF510 isn't in use it will return to your standby screen. From here you can access menu options, make a quick call and change your profile - as well as many other things.

Your KF510 has a touchpad on the slide. You can determine what you see on the main screen using the touch keys.

Touchpad tips

- There's no need to press too hard, the touchpad is sensitive enough to pick up on a light touch.
- Use the tip of your finger to touch the option you require. Be careful not to touch any other keys around it.
- When the screen light is off, press the camera key twice on the right hand side of the phone to restore the standby screen.
- Don't cover the phone with a case or cover as the touchpad will not work with any material covering it.
- When you enter an options menu, the touchpad will provide a four way arrow pad. Either touch the arrows to move through a menu one item at a time, or slide your finger across the touchpad in the direction you want to move.



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Your standby screen

The quick keys

The quick keys provide easy, one-touch access to your most used functions.

 Touch to open the inbox. To open your message editor, touch and hold the key.

 Touch to open your address book. Your contacts are displayed in an alphabetical list. You can also create new contacts and edit existing ones.

 Touch to choose a sound profile for your phone.

 Touch to open the favorites menu.

The main menu

The main menu provides twelve menu options. To open the main menu:

- 1 Touch **Menu**.
- 2 The main menu will appear on the screen. The touchpad will display four directional arrows.
- 3 Touch the arrows to move around the main menu one icon at a time.
- 4 When the option you require is circled, touch **OK** to open.

Advice to the customer

In order to allow better antenna sensitivity LG suggest that you hold the handset as shown in the figure below.



Please do not cover the antenna area with your hand during a call or when using a Bluetooth connection. It may interfere and degrade sound quality.

The status bar

The status bar uses various icons to indicate things like signal strength, new messages and battery life, as well as telling you whether your Bluetooth is active.

Below is a table explaining the meaning of icons you're likely to see in the status bar.

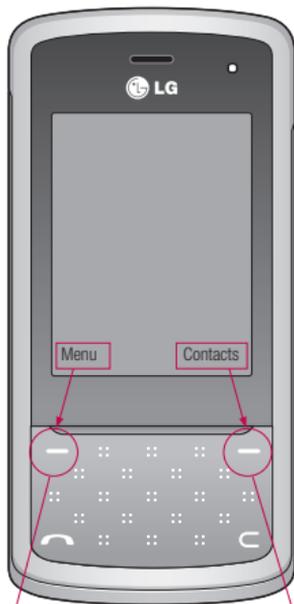
Icon	Description
	Network signal strength (number of bars will vary)
	No network signal
	GPRS available
	EDGE available
	Flight mode is activated
	Calls are diverted
	Roaming service
	Bluetooth is activated
	WAP service is connected
	An alarm is set
	Schedule

Icon	Description
	ALC sensor is activated
	New message
	New voice message
	General profile in use
	Silent profile in use
	Vibrate profile in use
	Outdoor profile in use
	Headset profile in use
	Remaining battery life
	Battery empty

Selecting functions and options

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

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



Touch the left soft key to select available menu and options.

Touch the right soft key to access the available options.

Calls

Making a call

- 1 Key in the number using the keypad. To delete a digit press .
- 2 Touch  to initiate the call.
- 3 To end the call, slide  on the right side of the phone and select **Yes**.

TIP! To enter + when making an international call, press and hold **0**.

Making a call from your contacts

- 1 Bring up the touchpad menu by sliding your handset open or holding the camera key on the side of your handset down.
- 2 Touch  to open the address book.
- 3 Using the keypad, enter the first letter of the contact you want to call. For example, for Office, press **6** three times.
- 4 To scroll through the contacts and their different numbers use the arrows on the touchpad.
- 5 Touch **Call** or touch  to initiate the call.

Answering and rejecting a call

When your phone rings, touch **Accept** or touch  to answer the call.

While your phone is ringing, activate the touchpad by opening your handset or pressing the camera key, then select **Silent** to mute the ringing. This is great if you have forgotten to change your profile to **Silent** for a meeting.

Slide  towards bottom of the phone or touch **Reject** to reject the incoming call.

TIP! You can change the settings on your phone to answer your calls in different ways. Touch **Menu**, select **Settings** and choose **Call**. Select **Answer mode** and choose from **Slide open**, **Any key** or **Accept key only**.

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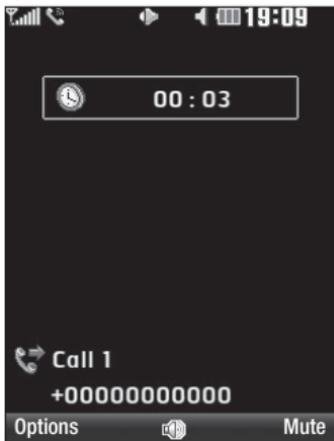
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Calls

In-call options



Options - Choose from a list of further in-call options, including **Contacts** and **Messaging** so you can check your messages and add contacts during a call.

Speaker - Touch  to turn on the speaker phone.

Mute - Touch **Mute** to turn off the microphone so the person you are talking to cannot hear you.

Adjusting the call volume

To adjust the volume during a call, press the volume keys on the left hand side of your phone.

Speed dialling

You can assign a speed dial number to a contact you call frequently.

- 1 Touch **Contacts**, then select **Speed dials**.
- 2 Your voicemail is set to speed dial 1 and you cannot change this. Select any other number either by using the touchpad arrows and touching **Assign** or by pressing the hard key number.
- 3 Your address book will open. Select the contact you'd like to assign to that number using the touchpad arrows, then touch **OK**.

To call a speed dial number, press and hold the assigned number until the contact appears on screen. The call will initiate automatically; there's no need to touch .

Viewing your call logs

Touch **Menu**, select **Call history**. Choose to view:

All calls - View the complete list of all your dialled, received and missed calls.

Missed calls - View the list of any calls you have missed.

Dialled calls - View the list of all the numbers you have called.

Received calls - View the list of all the numbers that have called you.

Call duration - View details of how long you have spent on your calls; received and dialled.

Call costs - View the charges applied to your Last call or All calls. This service is network dependent, some operators are unable to support this.

Data information - View the amount of all your received and sent data in kilobytes.

TIP! From any call log select **Options** and choose **Delete** to delete selected or all of the recorded items.

TIP! Using the touchpad arrows highlight any single call entry to view the date and time of the call. To view the call duration touch **View**.

Using call divert

- 1 Touch **Menu**, select **Settings** and choose **Call**.
- 2 Select **Call divert**.
- 3 Choose whether to divert all calls, when the line is busy, when there is no reply or when you are out of reach.
- 4 Choose **Activate** and select whether to divert to voicemail, another number or your favourite number.
- 5 Enter your divert number or select **Search** to browse **Contacts** for your divert number.

Note: Charges are incurred for diverting calls. Please contact your network provider for details.

TIP! To turn off all call divers, choose **Cancel all** from the **Call divert** menu.

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Calls

Using call barring

- 1 Touch **Menu**, select **Settings** and choose **Call**.
- 2 Select **Call barring**.
- 3 Choose any or all of the seven options:
 - All outgoing**
 - Outgoing international**
 - Outgoing international except home country**
 - All incoming**
 - Incoming when abroad**
 - Cancel all barrings**
 - Change password**
- 4 Select **Activate** and enter the call barring password. Please check with your network operator for this service.

TIP! Select **Fixed dial number** from the **Call** menu to turn on and compile a list of numbers which can be called from your phone. You'll need your PIN2 code from your operator. Only numbers included in the fixed dial list can be called from your phone.

Changing the call settings

- 1 Touch **Menu**, select **Settings** and choose **Call**.
- 2 From here you can amend the settings for:
 - Call divert** - Choose whether to divert your calls.
 - Call barring** - Select when you would like calls to be barred.
 - Fixed dial number** - Choose a list of numbers that can be called from your phone.
 - Answer mode** - Choose whether to answer the phone using the accept key, any key or by sliding your handset open.
 - Send my number** - Choose whether your number will be displayed when you call someone.
 - Call waiting** - Be alerted when you have a call waiting.
 - Minute minder** - Select **On** to hear a tone every minute during a call.
 - Auto redial** - Choose **On** or **Off**.
 - Send DTMF tones** - Choose **On** or **Off**.

Contacts

Searching for a contact

- 1 Touch **Contacts** and choose **Search**, select **Contacts** from the **Menu** screen or touch  from the standby screen.
- 2 Using the keypad enter the first letter of the contact you want to call. For example, for Office, press **6** three times.
- 3 To scroll through the contacts and their different numbers use the touchpad arrows.

Adding a new contact

- 1 Touch **Contacts** and choose **New contact**.
- 2 Choose whether to store your new contact on your **Phone** or **SIM** card.
- 3 Enter all the information you have in the fields provided and select **Save**.

Or, using the slightly quicker method...

- 1 Enter the number you wish to store on the standby screen and select **Options**.
- 2 Choose **Save** or **Add to existing contact**.
- 3 Enter the relevant information as above and touch **Save**.

Note: When you are storing a contact's email address, press  to enter a symbol and scroll with the touchpad arrows until you see @.

Contact options

There are many things you can do when viewing a contact. Here's how to access and use the Options menu:

- 1 Open the contact you'd like to use. See **Searching for a contact** above.
- 2 Touch **Options** to open the list of options.

From here you can:

Edit - Change any of the contact's details.

New message - Send a message to the contact. If the contact has an email address, select whether you'd like to send a **Message** or **Email**.

Send via - Send the contact's details to another person as a business card. Choose to send as a **Text message**, **Multimedia message**, via **Bluetooth** or by **Email**.

Delete - Delete the contact. Select **Yes** if you are sure.

New contact - Add a new contact.

Multi delete - Mark multiple contacts to delete.

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Contacts

Copy to SIM/phone - Choose to move or copy to the SIM card or phone (depending on where you originally saved the contact).

Main number - If more than one is listed, select which of the contact's numbers is preferred.

Adding a contact to a group

You can save your contacts into groups, for example, keeping your work colleagues and family separate. There are a number of groups including **Family**, **Friends**, **Colleague**, **VIP**, **Group1** and **Group2** already set up on the phone.

- 1 Touch **Contacts** and choose **Groups**.
- 2 Scroll to the group you wish to add a contact to and touch **View** then select **Add**.
- 3 Your contacts will open. Scroll to any contacts you would like to add to the group and touch , then select **Done**.
- 4 Select **Yes** if you are sure.

TIP! You can assign a ringtone or icon to a group. Select the group you wish to assign the ringtone or icon to and select **Options** and choose an item you want.

Renaming a group

You can rename any of the groups to fit your lifestyle.

- 1 Touch **Contacts** and choose **Groups**.
- 2 Select a group you want to rename.
- 3 Choose **Options**, select **Rename** and enter your new group name.
- 4 Select **Save**.

Note: You can only assign a contact to a group or add a picture to a contact that is saved in your phone (not SIM) memory.

Adding a picture to a contact

You can change the appearance of your contacts in your address book to include a picture.

- 1 Touch **Contacts** and choose **Settings**.
- 2 Select **View options** and choose **With picture**.
- 3 Then return to the address book and select the contact you want to add a picture to.
- 4 Choose **Options** and select **Edit**.

- 5 Scroll down to the **Photo** section. Choose **Options** and select **Images** or **New image**. If you select **Images**, you can choose an image that is saved in your phone memory. If you select **New image**, your camera viewfinder will open, so you can take a picture of your contact.

- 6 Select **Save**.

Copying your contacts to your SIM

You can also choose to copy your contacts from your SIM to your handset or from your handset to your SIM.

- 1 Touch **Contacts** and choose **Copy All**.
- 2 Select to copy the contacts from **SIM to phone** or **Phone to SIM**.
- 3 Choose whether to **Keep original** or **Delete original**.
- 4 Select **Yes** if you are sure.

Deleting all your contacts

- 1 Touch **Contacts** and choose **Delete all**.
- 2 Select to delete contacts from **SIM** or **Phone**.
- 3 Select **Yes** if you are sure.
- 4 Enter the password, which is set to 0000 as default, and select OK.

Viewing information

Touch **Contacts** and choose **Information**. From here you can view your **Service dial numbers**, your **Own numbers** and your **Business card**.

TIP! If you haven't yet created a business card, the **Business card** screen will give you the option to create one. Select **New** and enter your details as you would for any contact. Choose **Save**.

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Messaging

Messaging

Your KF510 includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service) and email, as well as the network's service messages. Simply touch **Menu** and select **Messaging**.

Sending a message

- 1 Touch **Menu**, select **Messaging** and choose **New message**.
- 2 Choose **Message** to send an SMS or MMS. (If you want to send an **Email** see page 28-29 or if you want to send something using **Bluetooth**, see page 51.)
- 3 A new message editor will open. Message editor combines SMS and MMS into one intuitive and easy to switch between SMS mode and MMS mode. The default setting of the message editor is SMS mode.
- 4 Enter your message using either the T9 predictive mode or Abc manual mode. See **Entering text** on page 27 to see how to switch between the different text entry modes.

TIP! You can select your message type as SMS or MMS when you enter a text longer than 2 pages in the message field. If you want to change the type of message to send, see page 31 for **Send long text as** menu from **Changing your text message settings**.

- 5 Touch **Options** and choose **Insert** to add an **Image, Sound, Video, Symbol, Text template, Emoticon, Name & Number, New slide, Subject** or **More (Contact/My business card/Schedule)**.
- 6 Touch **Send to**.
- 7 Enter the phone number or touch **Options** and select **Contacts** or **Recent list** to open your contacts list. You can add multiple contacts.
- 8 Touch **Send**.

 **WARNING:** If an **Image, Sound, Video, New slide** or **Subject** is added to the message editor, it will be automatically converted to MMS mode and you will be charged accordingly.

Entering text

You can enter alphanumeric characters using the phone's keypad. For example, storing names in Contacts, writing a message and creating scheduling events in the calendar all require entering text. The following text input methods are available in the phone: T9 predictive mode, ABC manual mode and 123 mode.

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

To turn on T9 mode in the text entry field, choose **Options**, select **Set T9** and choose **On**. With T9 on, you can switch text input mode by pressing . You will notice the text input mode indicator in the upper right corner of the display.

To input a symbol in the text entry field, press the  key and select a symbol, then select **OK**.

Complete each word with a space by pressing **0**.

To delete a character, touch **C** key.

T9 predictive mode

T9 predictive mode uses a built-in dictionary to recognise words you're writing based on the key sequences you press. Simply press the number key associated with the letter you want to enter, and the dictionary will recognise the word once all the letters are entered. For example, press **8, 3, 5, 3, 7, 4, 6, 6, 3** to write 'telephone'.

If the word you want doesn't appear, touch **Options** and select **New T9 word**, then you can enter the word using ABC manual mode. Your word will be added to the dictionary.

Note: You can select a different T9 language by touching **Options** and select **Writing language**.

ABC manual mode

In ABC manual mode you may need to press the key repeatedly to enter a letter. For example, to write 'hello', press **4** twice, **3** twice, **5** three times, **5** three times again, then **6** three times.

123 mode

Type numbers using one keystroke per number. You can also add numbers whilst remaining in letter modes by pressing and holding the desired key.

Messaging

Setting up your email

You can stay in touch on the move using email on your KF510. It's quick and simple to set up a POP3 or IMAP4 email account.

- 1 Touch **Menu**, select **Messaging** and choose **Settings**.
- 2 Select **Email** then **Email account**.
- 3 Touch **New**.
- 4 You can now choose how your account works:

Account name - Enter a name for this account.

Email address - Enter the account email address.

My name - Enter your name.

Incoming mail server - Enter the account details.

User name - Enter the account user name.

Password - Enter the account password.

Outgoing mail server - Enter the account details.

Outgoing mail authentication - Select on or off.

Outgoing server ID - Enter the account details.

Outgoing server password - Enter the account details.

To enter the following information, touch **Options** and select **Advanced settings**.

Protocol type - Select the mailbox type, POP3 or IMAP4.

Maximum receive size - Choose the size limit of your emails, the maximum is 300KB.

Save to server - Choose whether to save your emails to the server. For IMAP4 accounts copies are always saved.

Save sent mail into - Choose whether to save your emails to the server of the phone (only for IMAP4).

Insert signature - Choose whether to automatically insert a signature in your emails.

Reply email address - Enter the "reply to" email address.

Incoming port number - Normally, this is 110 for POP3 and 143 for IMAP4 accounts.

Outgoing port number - Normally this is 25.

Auto retrieving - Select to automatically retrieve your emails.

Retrieve download - Select **Headers only**, **Headers + body** (only for IMAP4) or **All**.

Now your account is set up, it will appear in the list of accounts in your Email folder.

Sending an email using your new account

To send/receive an email, you should set up an email account (see page 28).

- 1 Touch **Menu**, select **Messaging** and choose **New message**.
- 2 Choose **Email** and a new email will open.
- 3 Write a subject then touch OK.
- 4 Enter your message using T9 predictive mode or ABC manual mode. See **Entering text** on page 27 to see how to switch between the different text entry modes.
- 5 Touch **Options** and choose attachment to add: **Image, Sound, Video, Document, Contact, My business card Schedule and others**.
- 6 Touch **Send** and enter the recipient's address or touch **Options** and select **Contacts** to open your contacts list.
- 7 Touch **Send** and your email will be sent.

Message folders

Touch **Menu**, select **Messaging**. You'll recognise the folder structure used on your KF510, which is fairly self-explanatory.

Inbox - All the messages you receive are placed into your Inbox. From here you can reply, forward and more, see below for details.

Email box - Contains all your email messages. Select the account you want to use then touch **Retrieve**. Your KF510 will connect to your email account and retrieve your new messages.

Drafts - If you don't have time to finish writing a message, you can save what you have done so far here.

Outbox - This is a temporary storage folder while messages are being sent.

Sent - All the messages you send are placed into your Sent folder.

Listen to voicemail - You can access your voicemail box (if provided by your network). When a new voice message is received, the symbol will be displayed on the standby screen.

Info message - All info messages and updates received from your operator.

Templates - A list of useful messages, already written for a quick reply.

Messaging

Managing your messages

You can use your **Inbox** to manage your messages.

1 Touch **Menu**, Select **Messaging** and choose **Inbox**. Or, a quicker way is to touch  on the stand by screen and choose **Inbox**.

2 Select **Options** and then choose to:

Delete - Delete the selected message.

Reply - You can reply to the sender for the selected message.

Forward - Send the selected message to another person.

Return call - Call the person who sent you the message.

Information - View the details of a message, for example, the time it was sent.

Copy/Move - You can select to copy or move messages from SIM card to Phone or Vice versa.

Multi delete - Delete selected messages.

Delete all read - You can delete all read messages.

Delete all - You can select to delete text messages, multimedia messages or all messages.

If you see the message **No space for SIM message**, you should delete some messages from your inbox.

If you see the message **No space for messages**, you can delete either messages or saved files to create space.

Using templates

You can create templates for the **Text** and **Multimedia** messages you send most frequently. There are some templates already on your phone, which can be edited if you wish.

1 Touch **Menu**, select **Messaging** and choose **Templates**.

2 Choose **Text** or **Multimedia**. You can then select **Options** and choose **Edit** to change existing templates or select **Options** to add **New** template or **Delete** templates.

3 To send a template, select the one you want to send, choose **Options** and select **Send via**.

4 Choose how you would like to send the template; as a **Message**, **Bluetooth message** or **Email**.

- 5 Select a contact and touch **Send**.

Changing your text message settings

Your KF510 message settings are pre-defined so that you can send messages immediately.

If you would like to change the settings, you can do this using the **Settings** options.

Touch **Menu**, select **Messaging**, then choose **Settings** and **Text message**. You can make changes to:

Message types - Convert your text into Voice, Fax, Paging, X.400, Email or ERMES.

Validity period - Choose how long your message is stored at the message centre.

Delivery report - Choose to receive confirmation that your message was delivered.

Reply charging - Choose to be billed for your message recipient's reply.

Message centre number - Enter the details for your message centre.

Character encoding - Choose how your characters are encoded. This impacts the size of your message and therefore data charges.

Send long text as - Choose whether to send your message as SMS or MMS when you enter a text longer than 2 pages in the message field.

Bearer setting - Choose whether to send your messages via GSM or GPRS.

Changing your multimedia message settings

Your KF510 message settings are pre-defined so that you can send messages immediately.

If you would like to change the settings, you can do so using the **Settings** options.

Touch **Menu**, select **Messaging**, then choose **Settings** and **Multimedia message**.

You can make changes to:

Slide duration - Choose how long your slides appear on screen.

Priority - Choose the priority level of your multimedia message.

Validity period - Choose how long your message is stored at the message centre.

Delivery report - Choose to allow and/or request a delivery report.

Read report - Choose to allow and/or send a read report.

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Messaging

Auto download - Choose to automatically or manually download multimedia messages depending on whether you are at home or roaming.

Network profile - Select an operator specific network profile for sending multimedia messages.

Permitted message type - Select which type of multimedia messages to allow.

Changing your email settings

You can adapt your email settings to your own preferences.

- 1 Touch **Menu**, select **Messaging** and choose **Settings**.
- 2 Select **Email** then you can adapt the following settings:

Email account - You can set up an email account.

Access point - You can set the email access point.

Retrieve interval - Choose how often your KF510 checks for new email messages.

Signature - Create an email signature and switch this feature on.

Changing your other settings

Touch **Menu**, select **Messaging**, choose **Settings** then:

Voicemail number - Your voicemail number is stored here. Contact your network operator for more information on the service they provide.

Service message - Here you can switch off service message, which means your messages will no longer be pushed directly to your device as they are received, only when you check for new messages.

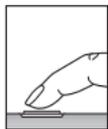
Info message - Choose the reception status, alerts and language of your info messages.

Save text message - Choose whether to save your text message to the phone memory or to the external memory.

Camera

Taking a quick photo

- 1 Hold the camera key down on the right side of the handset and the camera's viewfinder will appear on screen.
- 2 Holding the phone horizontally, point the lens towards the subject of the photo.
- 3 Press the camera key on the right side of the handset halfway. A focus box will appear in the centre of the viewfinder screen, position the phone so you can see the subject of your photo in the focus box. When the focus box turns green, the camera has focused on your subject.
- 4 Touch the centre soft key or press the camera key all of the way down to take a photo.



Press the camera key halfway to focus.

Press the camera key fully to take photo.

Note: You can also access the camera menu from the standby screen. Touch **Menu** and select **Multimedia**, scroll down to and select **Camera** to open the viewfinder.

After you've taken your photo

Your captured photo will appear on the screen. The name of the image runs along the bottom of the screen and you will see six options displayed on the right side of the screen.

Delete - Touch to delete the photo you have just taken and confirm by touching **Yes**. The viewfinder will reappear.



New image - Touch to take another photo straightaway. Your current photo will be saved.



Set as - Touch to open a sub menu to set your image as **Wallpaper** or **Picture ID**.



Send via - Touch to send the photo as a **Multimedia message** or **Email**. See page 26 for **Sending a message**.



Album - Touch to look at the other photos in your album. Your current photo will be saved. See page 36 for **Viewing your saved photos**.

OK - Touch to take another photo straightaway. Your current photo will be saved.

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Camera

Getting to know the viewfinder

When you open the viewfinder, you'll see the following icons displayed on the screen.



Note: You can adjust the zoom using the volume key on the left side of the phone. The zoom function is only available when the resolution is set to 640 x 480 or below. See **Changing the image size** on page 36 for details.

TIP! When using the camera, power consumption increases. If  icon appears indicating low battery, recharge the battery before use.

Using the quick settings

Touch the < arrow to open the quick settings options. These include various options for taking photos. Use the touchpad arrows and select the options you would like to use. After setting your options, touch the > arrow to close the toolbar.

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 **Flash** - Allows you to turn on the flash when taking a photo in a dark place. See **Using the flash** on page 35 for details.

 **Self timer** - The self-timer allows you to set a delay after the capture button is pressed. Choose from **3 seconds**, **5 seconds** or **10 seconds**. Great for that group photo you want to be part of.

 **Multi shot** - This enables you to take up to 9 shots automatically in very quick succession, great for taking photos of moving objects or at sporting events.

 **White balance** - The white balance ensures that any white in your photos is realistic. In order for your camera to correctly adjust the white balance you may need to determine the light conditions. Choose from **Auto**, **Night mode**, **Daylight**, **Incandescent**, **Cloudy** or **Fluorescent**.

 **Colour effect** - Choose from four colour tone options: **Off** (normal/colour), **Sepia**, **Mono** (black and white) or **Negative**.

 **EV** - Contrast defines the difference between light and dark in an image. A low contrast image will appear foggy, whereas a high contrast image will appear much sharper. Touch the < and > arrows and slide

the contrast indicator along the bar, towards - for a lower contrast, hazier image or towards + for a higher contrast, sharper image.

Using the advanced settings

Touch **Options** to open all the advanced settings options. Use the touchpad arrows to navigate through the options.

Video Camera - Choose to switch from Camera to Video Camera mode.

Display - You can close all the icons and options for a clear viewfinder screen. Simply touch the < arrow to recall all of the icons and options to the screen again.

Resolution - See **Changing the image size** on page 36.

Quality - Choose between **Normal**, **Fine** and **Super fine**. The finer the quality the sharper a photo will be but the file size will increase as a result, which means you will be able to store fewer photos in your memory.

Shake reduction - Select **On** to compensate for unsteady hands.

Auto focus - Turn Auto focus On or Off. Your camera can automatically adjust the focus for a clear, sharp image with a single press of the camera button.

Shutter tone - Select one of the three shutter sounds.

Grid screen - You can set guidelines on your viewfinder screen. Choose from **Off**, **Simple** or **Trisection**.

Save to - Choose whether to save your photos to the phone memory or to the external memory.

Reset settings - Choose **Yes** to reset your phone to its original camera settings.

Using the flash

The flash is set to **Off** as default, but there are other options.

- 1 Select  from the top right corner of the viewfinder to enter the flash sub-menu.
- 2 There are four flash options:

Off - The camera will not flash. This is useful if you want to save battery power.

On - Set the flash to on when you are taking a photo in a dark place.

Auto - Your camera will assess the lighting needed to take a good picture and use the flash as necessary.

Red eye reduction - The flash will remain on as you compose your picture and flash again as you take the photo in order to reduce red eye.

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Camera

- 3 Touch the flash option you'd like to use.
- 4 When you have made your selection the flash menu will automatically close, ready for you to take your picture.
- 5 The flash icon in the viewfinder will change according to your new flash mode.

Note: When you exit the camera, the flash setting will revert to the default **Off** mode.

Changing the image size

You can change the size of the photo to save memory space. The more pixels, the larger the file size, which in turn means they take up more of your memory. If you want to fit more pictures on to your phone you can alter the pixel number to make the file size smaller.

- 1 Touch **Options** and select **Resolution** from the toolbar.
- 2 Select a pixel value from the five numerical options (320X240, 640X480, 1280X960, 1600X1200, 2048X1536).
- 3 Select the size option you'd like to use and touch **OK** to implement your changes.

Note: The zoom function varies depending on the resolution the camera is set to. The zoom function is only available when the resolution is set to 640 x 480 or below.

Viewing your saved photos

- 1 You can access your saved photos from within the camera mode and from the standby screen. From the viewfinder, simply touch **Album**. From the standby screen you should touch **Menu**, then select **My stuff** and **Images**.
- 2 Your gallery will appear on screen.
- 3 Use the arrows to select the photo you want to view and touch **View** to enlarge it.

Using zoom when viewing a photo

Touch **Zoom** and use the arrows on the touchpad to move the focus area and zoom in and out.

Setting a photo as Wallpaper or Picture ID

From Your image gallery, use the arrows on the touchpad to select an image then touch option and select **Set as** to use the selected image as **wallpaper** or **picture ID** for one of your contacts

Note: Picture ID can only be added to contacts saved to your phone, not your SIM.

Video camera

Shooting a quick video

- 1 Hold the camera key down on the right side of the handset and the camera's viewfinder will appear on screen.
- 2 Touch **Options** and select **Video Camera**. The video camera's viewfinder will appear on screen.
- 3 Point the camera lens towards the subject of the video.
- 4 Press the camera key on the right side of the handset to start recording.
- 5 **REC** will appear in the bottom left corner of the viewfinder and a timer will show the length of your video.
- 6 To pause the video touch **Pause** and resume by selecting **Resume**.
- 7 Touch **Stop** to stop recording.

Note: You can also access the **Video camera** from the standby screen. Touch **Menu** and select **Multimedia**, scroll down and select **Video camera** to open the viewfinder.

After you've shot your video

The name of the video runs along the bottom of the screen and six options will be displayed on the right side of the screen.

Delete - Touch to delete the video you have just recorded and confirm by touching Yes. The viewfinder will reappear.

 **New video** - Touch to shoot another video straight away. Your current video will be saved.

 **Play** - Touch to play the video you have just recorded.

 **Send via** - Touch to send the video as a **Multimedia message** or **Email**. See page 26 for **Sending a message**.

 **Album** - Touch to look at the other video clips in your album. Your current video clip will be saved. See page 39 for **Watching your saved videos**.

OK - Touch to record another video straight away. Your current video will be saved.

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Video camera

Getting to know the viewfinder

When you open the viewfinder, you'll see the following icons displayed on the screen.



Note: You can adjust the zoom using the volume key on the left side of the phone.

Using the quick settings

Touch the < arrow to open the quick settings options. These include various options for recording videos. Use the arrows on the touchpad and select the options you would like to use. After setting your options, touch the > arrow to close the toolbar.



Mode - Allow you to set to send a video via Multimedia message or General.



Flash - Turn the flash **On** or **Off**. The flash is set to **Off** as default, saving battery power. Whenever you exit the camera it will return to the default **Off** setting.



White balance -The white balance ensures that any white in your video is realistic. In order for your camera to correctly adjust the white balance, you may need to determine the light conditions. Choose from **Auto**, **Daylight**, **Incandescent**, **Cloudy**, **Fluorescent** or **Night mode**.



Colour effect - Choose from four colour tone options: **Off** (normal/colour), **Sepia**, **Mono** (black and white) or **Negative**.



EV - Contrast defines the difference between light and dark in an image. A low contrast image will appear foggy, whereas a high contrast image will appear much sharper. Touch the < and > arrows and slide the contrast indicator along the bar, towards - for a lower contrast, hazier image or towards + for a higher contrast, sharper image.

Using the advanced settings

Touch **Options** to open all the advanced settings options. Use the touchpad arrows to navigate the options.

Display - You can close all of the icons and options for a clearer viewfinder screen. Simply touch the < arrow to recall all of the icons and options to the screen again.

Camera - Choose to switch to Camera mode.

Resolution - If you want to fit more videos onto your phone you can alter the pixel number to make the file size smaller. Choose between two options for your video, **320x240** or **176x144**.

Quality - Choose between **Super fine**, **Fine** and **Normal**. The finer the quality the sharper a video will be, but the file size will increase as a result, so you will be able to store fewer videos in the memory.

Save to - Choose whether to save your video clip to the phone memory or to the external memory.

Reset settings - Choose **Yes** to reset your phone to it's original video camera settings.

Watching your saved videos

- 1 You can access your saved videos either from within video camera mode or from the standby screen. From the viewfinder, simply touch **Album**. From the standby screen you should touch **Menu**, then select **My stuff** and **Videos**.
- 2 Your gallery will appear on screen.
- 3 Use the arrow keys to select the video you want to view and touch the centre soft key to watch it.

Adjusting the volume when viewing a video

To adjust the volume of the audio on a video whilst it is playing, use the volume keys on the left side of the handset.

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MP3 player

MP3 player

Your LG KF510 has a built-in MP3 player so you can play all your favourite music.

To access the MP3 player, touch **Menu** and select **Multimedia** then **MP3 player**. Or, you can access the MP3 player by lightly pressing the MP3 player key on the right side of the handset. From here you have access to:

All songs - Contains all of the songs you have on your phone.

My playlist - Contains any playlists you have created as well as **On the go**, **Recent songs** and **Favourite songs**.

Genres - Browse through your music collection by genre.

Artists - Browse through your music collection by artist.

Albums - Browse through your music collection by album.

Settings - Adjust your music settings.

Transferring music onto your phone

The easiest way to transfer music onto your phone is via Bluetooth or your sync cable. To transfer using Bluetooth:

- 1 Make sure both devices have Bluetooth switched on and are visible to one another.

- 2 Select the music file on the other device and choose to send it via Bluetooth.
- 3 When the file is sent you will have to accept it on your phone by touching **Yes**.
- 4 The file should appear in **All songs**.

Playing a song

- 1 Touch **Menu** and select **Multimedia**, then choose **MP3 player**.
- 2 Choose **All songs** then select the song you want to play. Touch .
- 3 Touch  to pause the song.
- 4 Touch  to skip to the next song.
- 5 Touch  to skip to the previous song.
- 6 Select  to stop the music and return to the MP3 player menu.

TIP! To change the volume while listening to music, use the volume keys on the side of your phone.

Using options while playing music

Touch **Options** and choose from:

Minimise - Hide the music player screen so that you can continue using your phone as normal while music is playing.

View playlist - Look at the playlist you are currently listening to.

Add to playlist - You can add a song to the playlist from All song folder.

Set as ringtone - Set the current track as your ringtone.

Information - You can view information about the MP3 file you are listening to.

Settings - Change the Shuffle, Repeat, or Equalizer.

Creating a playlist

You can create your own playlists by choosing a selection of songs from the **All songs** folder.

- 1 Touch **Menu** and select **Multimedia**.
- 2 Choose **MP3 player**, then select **My playlist**.
- 3 Touch **Options** and select **New playlist**, enter the playlist name and touch **Save**.
- 4 The **New playlist** folder will show. Select all of the songs that you would like to include in your playlist by scrolling to them and touching ; a tick will show next to the track name. If you accidentally add a song you don't want, select it and touch again to untick it.

- 5 Touch **Save** to store the playlist.

Playing a playlist

- 1 Touch **Menu** and select **Multimedia**.
- 2 Choose **MP3 player**, then select **My playlist**.
- 3 Select the playlist you would like to play and touch **View**, then select .

Editing a playlist

From time to time, you may want to add new songs or delete songs from a playlist.

If you want to organise your playlists, you can edit them using the **Options** menu.

- 1 Touch **Menu** and select **Multimedia**.
- 2 Choose **MP3 player**, then select **My playlist**.
- 3 Scroll to the playlist you want to edit and touch **View**, then select **Options**. Choose from:

Add - You can add songs to the playlist using this option.

Remove - Remove a song from the playlist. Select **Yes** to confirm.

Multi remove - Delete selected songs from the playlist.

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Remove all - Remove all of the songs from the playlist.

Information - View the playlist information.

Deleting a playlist

- 1 Touch **Menu** and select **Multimedia**.
- 2 Choose **MP3 player**, then select **My playlist**.
- 3 Scroll to the playlist you want to delete and touch **Options**.
- 4 Select **Delete all** and select **Yes** to confirm.

TIP! When an MP3 track is playing on the MP3 player, if you press the MP3 short key, you can use BGM mode. In BGM (Background Music) mode MP3 can be played while other functions are being used. BGM can be stopped on the MP3 player screen.

Note:

As a result of the Digital Rights Management (DRM) system, some of the media items you download from the Internet or receive by MMS may have a "Purchase right" menu to access them. You can acquire the key to

purchase the right from the website which owns the rights to the contents.

Music is copyright protected in international treaties and national copyright laws. It may be necessary to obtain permission or a licence 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.

FM radio

Using the FM radio

Your LG KF510 has an FM radio feature so you can tune into your favourite stations to listen on the move.

Note: You will need to insert your headset in order to listen to the radio. Insert the plug into the headset socket (this is the same socket that you plug your charger into).

Searching for stations

You can tune radio stations into your phone by searching for them either manually or automatically. They will then be saved to specific channel numbers so you don't have to keep re-tuning. You can save up to 12 channels in your phone.

To auto tune:

- 1 Touch **Menu** and select **Multimedia**, then choose **FM radio**.
- 2 Select **Option** and choose **Auto scan** then select **Yes**.
- 3 Each time a station is found, your KF510 will ask if you want to save it. Select **Yes** if you want to store the channel and **No** if you don't. Any stations you choose to save will automatically be allocated to a channel number in your phone.

To manually tune:

- 1 Touch **Menu** and select **Multimedia**, then choose **FM radio**.
- 2 Select a channel number that you want to save a station to and choose **Edit**.
- 3 To enter your station, you can use the touchpad arrows to search or you can enter the frequency using the keypad, then select **Save**.

Note: You can also edit the stations you have saved in a channel number.

TIP! To improve the reception extend the headset cord, which functions as the radio antenna.

Resetting channels

- 1 Touch **Menu** and select **Multimedia**, then choose **FM radio**.
- 2 Select **Options** and select **Reset channels**. Choose **Yes** to confirm the reset. Each channel will return to the starting 87.5Mhz frequency.

Listening to the radio

- 1 Touch **Menu** and select **Multimedia**, then choose **FM radio**.
- 2 Select the channel number of the station you would like to listen to.

Note: You can listen to the radio via built-in speaker. Touch **Options**, select **Listen via** and choose **Speaker**.

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Voice recorder

Using the voice recorder

Use your **Voice recorder** to record voice memos or other sounds.

Recording your voice memo

- 1 Touch **Menu** and select **Multimedia**, then choose **Voice recorder**.
- 2 Touch  to begin recording.
- 3 Select **Pause** to pause the recording.
- 4 Choose **Stop** to end the recording.
- 5 Select  to listen to the recording.

Note: You can listen to all of the voice recordings you have saved by selecting **Options** and **Album**.

Sending a voice recording

- 1 Once you have finished recording, touch **Options**.
- 2 Select **Send via** and choose from **Multimedia message**, **Bluetooth** or **Email**. If you choose **Message** or **Email**, the recording will be added to the message and you can write and send it as normal. If you choose **Bluetooth**, you will be prompted to turn Bluetooth on.

TIP! If you plan to send your recording as a message, before you start recording, touch **Options**, select **Recording mode** and choose **MMS**. This will ensure that the recording fits into a message.

My stuff

You can store any multimedia files into your phone's memory so that you have easy access to all of your pictures, sounds, videos and games. You can also save your files to a memory card. The advantage of using a memory card is that you can free up space on your phone's memory.

All your multimedia files will be saved in **My stuff**. Touch **Menu** then select **My stuff** to open a list of folders.

Images

Images contains a folder of default images and default flash files pre-loaded onto your phone, images downloaded by you and images taken on your phone's camera.

Images options menu

The options which are available to you in **Images** depend on what type of image you have selected. All of the options will be available for pictures you have taken on the phone's camera. Only the **View**, **Set as**, **File information**, **Slide show**, **Sort by** and **List view / Thumbnail view** options are available for default images.

In the **Images** folder, touch **Options** to bring up your list of options.

Delete - Delete the selected image.

Set as - Set the selected image as your **Wallpaper** or as a **Picture ID**.

Send via - Send the selected image to a friend via **Multimedia message**, **Bluetooth** or **Email**.

Note: The image may need to be resized before it can be sent by MMS.

File - Edit, rename, make animation or view the information (Name, Size, Date, Resolution, Type and Copyright) of the selected image. If you have an external memory card inserted two additional options will show: **Move to external memory** and **Copy to external memory**.

Print via - Print an image file via Bluetooth® or PictBridge.

Slide show - See **Creating a slide show** on page 47.

New folder - Create a new folder within the main Images folder.

Mark/Unmark - Select more than one image to delete or Copy/Move to another folder.

Delete all - Delete all the photos in your Images folder.

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My stuff

Sort by - Arrange your images by **Date**, **Type** or **Name**.

List view / Thumbnail view - Change the way you view your photos.

Sending a photo

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Images**.
- 3 Select a photo and choose **Options**.
- 4 Select **Send via** and choose from **Multimedia message**, **Bluetooth** or **Email**.
- 5 If you choose **Multimedia message** or **Email**, your photo will be attached to the message and you can write and send the message as normal. If you choose **Bluetooth**, you will be prompted to turn Bluetooth on and your phone will search for a device to send the picture to.

Organising your images

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Images**.
- 3 Choose **Options** then select **Sort by**.
- 4 Choose from **Date**, **Type** or **Name**.

Deleting an image

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Images**.
- 3 Select an image and touch **Options**.
- 4 Select **Delete**.

Deleting multiple images

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Images**.
- 3 Choose **Options** and select **Mark/Unmark** and **Delete**.
- 4 A box will appear next to each image. Select each image and touch  to mark it. To unmark an image, touch  again so that the tick disappears from the box. Or, you can select **Options** then choose **Mark all** or **Unmark all**.
- 5 Once you have marked all of the appropriate boxes, select **Delete** and confirm you want to delete all of the marked images.

Creating a slide show

If you want to look at all of the images on your phone or scan through what you've got, you can create a slide show to save you from having to open and close each individual image.

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Images**.
- 3 Select the photo you would like to begin the slideshow and touch **Options**.
- 4 Select **Slide show** and it will begin.
- 5 Touch **Pause** to pause the slide show and **Quit** to end the slide show and return to the **Images** folder.

Selecting **Options** during the slide show presents further options:

View - Choose between **Full image** and **Full screen**. Select **Landscape** to change the orientation of the image.

Repeat on / off - Decide whether you want the slide show on repeat or not.

Sounds

The **Sounds** folder contains the **Default sounds**, your voice recordings and sound files downloaded by you. From here you can manage, send or set sounds as ringtones.

Using a sound

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Sounds**.
- 3 Select **Default sounds** or choose from the list of voice recording files.
- 4 Select a sound and touch  to listen to it.
- 5 Touch **Options**, select **Set as** and choose from **Ringtone**, **Ringtone ID** and **Message tone**.

Videos

The **Videos** folder shows the list of downloaded videos and videos you have recorded on your phone.

Watching a video

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Videos**.
- 3 Select a video and touch .

My stuff

Using options while video is paused

By selecting **Options**, the video you are playing will be in pause mode and you can choose from:

Delete - Delete the video.

Send via - Send the video to a friend via **Multimedia message**, **Bluetooth** or **Email**.

Information - View the name, size, date, time, type and copyright details of the selected file.

Sending a video clip

- 1 Touch **Menu** then select **My stuff**.
- 2 Scroll to and select **Videos**.
- 3 Select the video clip you want and touch **Options**.
- 4 Touch **Send via** and choose from **Multimedia message**, **Bluetooth** or **Email**.
- 5 If you choose **Message** or **Email**, your video clip will be attached to the message and you can write and send the message as normal. If you choose **Bluetooth**, you will be prompted to turn Bluetooth on and your phone will search for a device to send the video to.

Note: The video may need to be resized before it can be sent by MMS. Some videos may be too large to send by MMS at all.

Video options menu

In the **Videos** folder, touch **Options** to bring up the following list of options.

Delete - Delete the selected video.

Send via - Send the selected video to a friend via **Multimedia message**, **Email** or **Bluetooth**.

File - Rename the video, move it to another folder or view the information (Name, Size, Date, Resolution, Type and Copyright). If you have an external memory card inserted two additional options will show: **Move to external memory** and **Copy to external memory**.

New folder - Create a new folder within the main Videos folder.

Mark/Unmark - Select more than one video clip before touching **Delete**.

Delete all - Delete all the clips in your **Videos** folder.

Sort by - Arrange your videos by **Date**, **Type** or **Name**.

Auto next play - Allows to set the play mode: **Off**, **Repeat once** and **Repeat all**.

- **Off**: Plays the selected file.
- **Repeat once**: Plays all files in a list once.
- **Repeat all**: Continues to play all files in a list repeatedly.

List view / Thumbnail view - Change the way you view your videos.

Documents

From the **Documents** menu, you can view all of your document files. From here you can view Excel, PowerPoint, Word, Text and PDF files.

Viewing a document

- 1 Touch **Menu** then select **My stuff**.
- 2 Select **Documents**.
- 3 Select a document and touch **View**.

Others

From the Others menu, you can view the files which are not saved in Images, Sounds, Videos or Documents folder.

You may find that when you transfer files from your computer to your phone that they appear in the **Others** folder rather than the

Documents folder. If this happens you can move them.

To Move a file from **Others** to **Documents**:

- 1 Touch **Menu**, then select **My stuff** followed by **Others**.
- 2 Select a file and touch **Options**.
- 3 Touch **Move**, then touch **Move** again.

External memory

If you've inserted a memory card it will be displayed as a folder within **My stuff**. Your external memory folder will be divided into five further folders: **Images**, **Sounds**, **Videos**, **Documents** and **Others**. Each folder will contain all the files of that type which are saved to your memory card rather than your handset.

Using your phone as a Mass storage device

Your KF510 can be used as a mass storage device, just like a USB stick. This is a great way of moving your files from your computer to your phone. If you've inserted a memory card, when connecting as **Mass storage**, it will be displayed as two drives on your computer: the handset memory and external memory.

My stuff

- 1 Touch **Menu**, select **Connectivity**.
- 2 Select **USB Connection**.
- 3 Scroll to **Mass storage** and touch **OK**.
- 4 Insert the smaller end of the USB cable into the USB cable connector on the edge of the KF510. Plug the larger end into the USB port of your computer.
- 5 A removable disk folder will open automatically on your computer, two if you have a memory card inserted, showing all the folders on your phone or memory card.
- 6 Drag and drop your images, videos, music or documents into the correct folders.
- 7 Safely remove your phone by clicking on the **Safely remove hardware** icon in your desktop toolbar.
- 8 When you want to then access a file, for example an image, touch **Menu**, then select **My stuff** followed by **External memory** then **Images**. All the images you just transferred will be contained in this file.

Transferring a file to your phone

You can also transfer files from your computer to your phone using Bluetooth.

- 1 Make sure your phone and computer have Bluetooth switched on and are visible to one another.
- 2 Use your computer to send the file via Bluetooth.
- 3 When the file is sent you will have to accept it on your phone by touching **Yes**.
- 4 The file will be saved within the appropriate folder depending on its type. So for example, photographs will be saved in the **Image** folder and music in the **Sounds** folder. If your phone cannot identify the file type, the file will be saved in the **Others** folder.

Note: Files sent using Bluetooth will be saved to the phone memory.

Sending and receiving your files using Bluetooth

Bluetooth is a great way to send and receive files as no wires are needed and connection is quick and easy. You can also connect to a Bluetooth headset to make and receive calls.

Before you can start sharing files with Bluetooth, you will need to pair your device with another Bluetooth device. For information on pairing devices, see **Pairing with another Bluetooth device** on page 62.

To switch Bluetooth on:

- 1 Touch **Menu** and select **Connectivity**, then choose **Bluetooth**.
- 2 Select **Bluetooth on/off** and choose **On**.
- 3 Select **Off** to switch Bluetooth off.

To send a file:

- 1 Open the file you want to send, typically this will be a photo, video or music file.
- 2 Select **Options** and choose **Send via**, then **Bluetooth**.
- 3 Select **Yes** to turn Bluetooth on if it is not already activated.

- 4 Your KF510 will automatically search for other Bluetooth enabled devices within range.
- 5 Choose the device you want to send the file to and touch **Send**.

To receive a file:

- 1 To receive files, your Bluetooth must be both **On** and **Visible**. See **Changing your Bluetooth settings** on page 61 for more information.
- 2 A message will prompt you to accept the file from the sender. select **Yes** to receive the file.

TIP! Keep an eye on the progress bar to make sure your file is sent.

Note

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by LG Electronics is under licence. Other trademarks and trade names are those of their respective owners.

Games and Apps

Games and Apps

Your KF510 comes with preloaded games to keep you amused when you have time to spare. If you choose to download any additional games or applications they will be saved into this folder.

Playing a game

- 1 Touch **Menu** and select **Games & Apps**.
- 2 Select **Games**.
- 3 Choose the game you want to play and select **Play**.

Viewing applications

You can manage the Java applications installed in your phone by using the **Applications** menu. You can also delete downloaded applications.

- 1 Touch **Menu** and select **Games & Apps**.
- 2 Select **Applications**.
- 3 View and manage any applications you have.

Changing the network profile

To download a game, you can set the value to connect to the network using **Network profile**.

- 1 Touch **Menu** and select **Games & Apps**.
- 2 Select **Network profile**.
- 3 You can add and edit a new network profile.

Organiser

Adding an event to your calendar

- 1 From the standby screen touch **Menu**, and select **Organiser**, then **Calendar**.
- 2 Select the date you would like to add an event to. You can choose a date either by scrolling to it using the touchpad arrows or by selecting **Options** and **Go to date** in order to enter a date.
- 3 Select **New** and scroll down to enter the time you would like your event to begin. Scroll down using the touchpad arrows and enter the end time of your event.
- 4 Scroll down again and choose whether you would like to set an **Alarm** for the event. Scroll left or right to see the available options. You can set the alarm to go off at the starting time of the event or at a set period of time before the event starts to remind you the event is coming up.
- 5 Scroll down and enter a **Subject** for the event. Use the keypad to type letters and numbers.
- 6 Scroll down once more to select whether the event is occurred at **Once** or repeated at **Daily**, **Weekly**, **Monthly** or **Yearly** intervals. If the event is repeated, you can

also scroll down to enter an **Expiration date** for when the events will stop completely.

- 7 Select **Save** and your event will be saved in the calendar. A square cursor will mark the days that any events have been saved to.

Editing a calendar event

- 1 From the standby screen touch **Menu**, and select **Organiser**, then **Calendar**.
- 2 Choose **Options** and select **All schedules** to see a list of all your events. Scroll to the event you would like to edit and select **View**. Alternatively select the day of the event in the calendar and select **View**.
- 3 Select **Edit** and scroll to the event detail you want to change. Make your modifications and touch **Save** to store the edited event.

Note: You can delete an event from your calendar by selecting to view the event and then touching **Options** and **Delete**.

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Organiser

Sharing a calendar event

- 1 From the standby screen touch **Menu**, and select **Organiser**, then **Calendar**.
- 2 Select the event you would like to share and choose **Options**.
- 3 Choose **Send via** and select from **Text message**, **Multimedia message**, **Bluetooth** or **Email**.

Adding a memo

- 1 From the standby screen touch **Menu**, and select **Organiser**, then **Memo**.
- 2 Select **New** and type your memo.
- 3 Touch **Save**.
- 4 Your memo will appear on screen the next time you open the memo application.

TIP! You can edit an existing memo. Select the one you want to edit, touch **Options** and select **Edit**.

Tools

Setting your alarm

- 1 From the standby screen touch **Menu**, and select **Tools**, then **Alarm clock**.
- 2 Select **New**.
- 3 Scroll down and enter the time you would like the alarm to sound at.
- 4 Choose the repeat type to indicate whether you would like your alarm to sound **Once**, **Daily**, **Mon - Fri**, **Mon - Sat**, **Sat - Sun**, or **Choose weekday**.
- 5 Scroll down and choose whether you would like the alarm to **Always sound**, **Always vibrate** or **Follow profile**.
- 6 Scroll down to choose the alarm sound. Choose **Sounds** to select a new sound.
- 7 Scroll down and enter a name for the alarm or keep the suggested name.
- 8 Touch **Save**.

Note: You can set up to 5 alarms.

Using your calculator

- 1 From the standby screen touch **Menu**, and select **Tools**, then **Calculator**.
- 2 Press the numeric keys to input numbers.

- 3 For simple calculations, touch the function you require (+, −, ×, ÷), followed by =.
- 4 For more complex calculations, select **Function** to select a command.
- 5 Select **Clear** to clear the screen and start a new calculation.

Using the stopwatch

- 1 From the standby screen touch **Menu**, and select **Tools**, then **Stopwatch**.
- 2 Select **Start** to begin the timer.
- 3 Choose **Lap** if want to record a lap time. The duration of an individual lap time (up to 20 times) can be saved.
- 4 Select **Stop** to end the timer.
- 5 Choose **Resume** to restart the stopwatch at the time you stopped it at or select **Reset** to begin the time again.

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Tools

Converting a unit

- 1 From the standby screen touch **Menu**, and select **Tools**, then **Unit converter**.
- 2 Choose whether you would like to convert **Currency, Area, Length, Weight, Temperature, Volume** or **Velocity**.
- 3 Scroll up to choose from the unit of measurement you want to enter. Scroll left and right to select a unit, then scroll down and enter the unit quantity.
- 4 Scroll down to the unit conversion box and choose the unit measurement you want to convert into. The conversion will show automatically in the line below.

Adding a city to your world clock

- 1 From the standby screen touch **Menu**, and select **Tools**, then **World clock**.
- 2 Scroll up, down, left or right to navigate the globe and choose a continent.
- 3 Select **Zoom in** to zoom into an area and choose from the cities in that area.
- 4 Touch **OK** and select **Yes**.

SIM services

This feature depends on SIM and the network services.

In case the SIM card supports SAT (i.e. SIM Application Toolkit) services, this menu will be the operator specific service name stored on the SIM card.

Browser

With browser at the tip of your fingers, you can get up to date news and weather forecasts as well as information on sports or traffic whenever you need it. In addition, browser allows you to download the latest music, ringtones, wallpapers and games.

Accessing the web

- 1 Touch **Menu** and select **Browser**.
- 2 To access the browser homepage directly, select **Home**. Alternately, select **Enter address** and type in your desired URL, followed by **Connect**.

Note: An additional cost is incurred when connecting to this service and downloading content. Check your data charges with your network provider.

Yahoo!

To access Yahoo! services, touch **Menu** and select **Browser** then **Yahoo!**.

TIP! You may be unable to access Yahoo! in some countries. This is dependent on Network Services.

Adding and accessing your bookmarks

For easy and fast access to your favourite websites, you can add bookmarks and save web pages.

- 1 Touch **Menu** and select **Browser**.
- 2 Select **Bookmarks**. A list of your bookmarks will appear on the screen.
- 3 To add a new bookmark, select **Options** and choose **New bookmark**. Enter a name for your bookmark followed by the URL.
- 4 Touch **Save**. Your bookmark will now appear in the list of bookmarks.
- 5 To access the bookmark simply scroll to the required bookmark and touch **Connect**. You will be connected to your bookmarked page.

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Browser

Saving a page

- 1 Access your required web page as described above.
- 2 Choose **Options** and scroll to **Save**, select **This page**.
- 3 Select **OK**.

Accessing a saved page

- 1 Touch **Menu** and select **Browser**.
- 2 Select **Saved pages**.
- 3 Select the required page and touch **Open**.

TIP! This menu will also allow you to delete saved pages.

Viewing your browser history

- 1 Touch **Menu** and select **Browser**.
- 2 Select **History** and select **OK**.
- 3 A list of web page titles you have accessed recently will be displayed. To access one of these pages, scroll to the required page and touch **Connect**.

Changing the web browser settings

- 1 Touch **Menu** and select **Browser**.
- 2 Select **Settings**.
- 3 You can choose the way your mobile handles, displays and uses information when browsing the internet. You can amend settings within **Network profiles**, **Rendering mode**, **Cache**, **Cookies**, **Security certificates**, **Show image**, **JavaScript** and **Storage location**.
- 4 Once you have changed your settings, select **OK**.

Settings

Within this folder you can adapt your settings to make your KF510 personal to you.

Note: For information on call settings see page 22.

Changing your profiles

You can quickly change your profile from the standby screen. Simply touch  then the profile you would like to activate. Choose from **General**, **Silent**, **Vibrate only**, **Outdoor** and **Headset**.

Personalising your profiles

You can personalise each profile setting.

- 1 Touch **Menu** and select **Profiles**.
- 2 Choose the profile you want and select **Personalise**.
- 3 For the **Silent** and **Vibrate only** profiles, you can adapt the vibration. For the other profiles, you can change all of the sounds and alert options available in the list. (Please refer to your handset for details.)

Changing your date & time

You can set functions relating to the date and time.

- 1 Touch **Menu** and select **Settings**.

- 2 Select **Date & Time** and choose from the list below:

Set date - You can enter the current date.

Date format - You can set the date format. (YYYY/MM/DD, DD/MM/YYYY, MM/DD/YYYY)

Set time - You can enter the current time.

Time format - You can set the time format to either 24 hours or 12 hours.

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

Changing the language

Go to **Settings** and **Language** to change the language for any text in your phone. Any change will also alter the language input mode.

Changing your display settings

- 1 Touch **Menu** and select **Settings**.
- 2 Select **Display** and choose from:
Wallpaper - Choose a wallpaper to appear on your screen display.
Clocks - Choose to have the time and date visible on your standby screen. Choose from No date & time or Normal.
Backlight timer - Choose how long the backlight remains on for.

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Settings

TIP! The longer the backlight is on for, the more battery power is used and you may need to charge your phone more often.

Lighting control - Adjust the screen's brightness. When you set the **Auto brightness** to **Automatic**, the brightness of the LCD will be automatically set by an ALC (Auto Luminance Control) sensor built into your phone. Touch the < and > arrows to adjust the control ranges of the **Auto brightness** as **Normal**, **Min**, or **Max**. To switch **Auto brightness** function off, select **Off**.

Home screen shortcut - Select **On** to display the shortcuts of 4 navigation keys and menus as pictures on the middle of the standby screen.

Font size - Change the font size of the following : **Menu**, **Dialling** and **Messaging**.

Theme - Quickly change the whole look of your screen.

Menu style - Change the menu view from **Grid view** to **List view**.

Main font style - Adjust the font type.

Dialling font style - Adjust the font style for when you are typing a phone number.

Standby text - Choose to add a message to your standby screen.

Network name - Choose to show or hide the network name.

Changing your security settings

Change your security settings to keep your KF510 and the important information it holds protected.

- 1 Touch **Menu** and select **Settings**.
- 2 Select **Security** and choose from the list below:

PIN code request - Choose a PIN code to be requested when you turn your phone on.

Phone lock - Choose a security code to lock your phone, **When power on**, **When SIM changed** or **Immediately**.

Anti-theft mobile tracker - When the handset is stolen, handset sends the SMS to the numbers configured by real owner. User has to configure the ATMT settings with name, primary phone number, secondary number etc. Default ATMT code is "0000". ATMT SMS will contain information about the stolen phone IMEI, current location & number of the person who is using that handset.

Change codes - Change your **Security code**, **PIN1 code**, **PIN2 code** or **ATMT code**.

Using flight mode

Use this function to switch the flight mode **On** or **Off**.

- ▶ **On:** You will not be able to make Calls, Connect to the Internet, Send messages and for Bluetooth user will be prompt to use when flight mode is swithced On.
- ▶ **Off:** You will be able to access all the services of wireless network.

Power save

If you set On, you can save the battery power when you don't use the phone. Choose to switch the power save settings **On** or **Off**.

Resetting your phone

Use **Reset** to reset all the settings to their factory definitions. You need the security code to activate this function.

Viewing memory status

Your KF510 has three memories available: the phone, the SIM card and an external memory card (you may need to purchase the memory card separately).

You can use the memory manager to determine how each memory is used and see how much space is available.

Touch **Menu** and select **Settings**. Choose **Memory status** and you will then see the current status of the memories (Common, Reserved, SIM card and External memory) in your KF510.

TIP! See page 13 for information on **inserting a memory card**.

Changing your Bluetooth settings

- 1 Touch **Menu** and select **Connectivity**, then choose **Bluetooth**.
- 2 Choose **Bluetooth settings**. Make your changes to:

My visibility - Choose whether to **Show** or **Hide** your device to others.

My name - Enter a name for your KF510.

My address - View your Bluetooth address.

Changing your connectivity settings

Your connectivity settings have already been set up by your network operator, so you can enjoy your new phone from the off. If you want to change any settings, use this menu.

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Settings

Touch **Menu** and select **Connectivity**. Your options are:

Bluetooth - Setup your KF510 for Bluetooth use. You can adapt your visibility to other devices or search through devices your phone is paired with.

Network - Your KF510 connects automatically to your preferred network. To change these settings use this menu. You can also add new access points using this menu.

USB connection - Choose **Data service** and synchronise your KF510 using the LG PC Suite software to copy files from your phone. If you have a memory card inserted, select **Mass storage** to use your phone in the same way as you would use a USB stick. Connect to your computer and drag and drop files to the KF510 removable device folder. See pages 49~51 for further details.

Pairing with another Bluetooth device

By pairing your KF510 and another device, you can set up a passcode protected connection. This means your pairing is more secure.

- 1 Check your Bluetooth is **On** and **Visible**. You can change your visibility in the **Bluetooth settings** menu, by selecting **My visibility**, then **Show**.
- 2 Select **Device list** from the Bluetooth menu and choose **New**.
- 3 Your KF510 will search for devices. When the search is completed **Pair** and **Refresh** will appear on screen.
- 4 Choose the device you want to pair with, select **Pair** and enter the passcode then choose **OK**.
- 5 Your phone will then connect to the other device, on which you should enter the same passcode.
- 6 Your passcode protected Bluetooth connection is now ready.

Using a Bluetooth headset

- 1 Check your Bluetooth is **On** and **Visible**.
- 2 Follow the instructions that came with your headset to place it in pairing mode and pair your devices.
- 3 Your KF510 will automatically connect to a Bluetooth headset and switch to headset profile.

Accessories

These accessories were supplied with your KF510.

Charger



Data cable and CD

Connect and synchronise your KF510 and PC.



Battery



User Guide

Learn more about your KF510.

Stereo headset



Note

- Always use genuine LG accessories. Failure to do this may invalidate your warranty.
- Accessories may be different in different regions; please check with our regional service company or agent for further inquiries.

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Network service

The wireless phone described in this guide is approved for use on the GSM 900, DCS 1800 and PCS1900 networks.

A number of features included in this guide are called Network Services. These are special services that you arrange through your wireless service provider. Before you can take advantage of any of these Network Services, you must subscribe to them through your service provider and obtain instructions for their use from your service provider.

Technical data

General

Product name : KF510

System : GSM 900 / DCS 1800 / PCS 1900

Ambient Temperatures

Max : +55°C (discharging), +45°C (charging)

Min : -10°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

KF510

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 v.1.2.1

EN 300 328 V 1.6.1

EN 60950-1 : 2001

EN 50360/EN 50361 : 2001

EN 301 511 V9.0.2

Supplementary Information

The conformity to above standards is verified by BAPT.

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

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Name

Issued Date

Seung Hyoun, Ji / Director

15. Jan. 2008

Signature of representative

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.

WARNING

- Mobile Phones must be switched off at all times in an aircraft.
- 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.
- Do not charge the phone when it is on soft furnishings.
- The phone should be charged in a well ventilated area.

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 the 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.

Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information

This mobile phone model KF510 has been designed to comply with applicable safety requirement for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure this 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 standardized method 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), which is 2 W/Kg averaged over ten (10) gram of tissue.
- The highest SAR value for this model phone tested by DAS4 for use at the ear is 0.242 W/Kg (10g) and when worn on the body is 0.496 W/Kg (10g).
- SAR data information for residents in countries/regions that have adopted the SAR limit recommended by the Institute of Electrical and Electronics Engineers (IEEE), which is 1.6 W/Kg averaged over one (1) gram of tissue.

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.

- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Keep away from electrical appliances such as TVs, radios, and personal computers.
- The unit should be kept away from heat sources such as radiators or cookers.
- 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.
- Use dry cloth to clean the exterior of the unit. (Do not use solvent such as benzene, thinner or alcohol.)
- 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.

Guidelines for safe and efficient Use

- Do not tap the screen with a sharp object; otherwise, it may damage the phone.
- Do not expose the phone to liquid or moisture.
- Use the accessories like an earphone cautiously. Do not touch the antenna unnecessarily.
- 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 vehicle such as car stereos and safety equipment.
- When your vehicle is equipped with an air bag, do not obstruct with installed or portable wireless equipment. It can fail or cause serious injury due to improper performance.

Efficient phone operation

Electronics 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.

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 near roads.

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 refueling 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.

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 the 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.

Guidelines for safe and efficient Use

- Do not leave the battery in hot or cold places, this may deteriorate the battery performance.
- There is risk of explosion if the battery is replaced by an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions. Please recycle when possible. Do not dispose as household waste.
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