



KU990 User Guide

Congratulations on your purchase of the advanced and compact KU990 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.

SET UP	01
YOUR STANDBY SCREEN	02
THE BASICS	03
GET CREATIVE	04
GET ORGANISED	05
THE WEB	06
SETTINGS	07
ACCESSORIES	08

Contents

SET UP

Getting to know your phone	8
Installing the USIM and battery.....	10
Memory card.....	12
Menu map.....	13

YOUR STANDBY SCREEN

Touchscreen tips.....	14
The quick keys.....	15
The status bar	16
The shortcut menu.....	17

THE BASICS

Calls	18
Making a call or video call.....	18
Making a call from your contacts	18
Answering and rejecting a call.....	18
In-call options.....	19
Adjusting the call volume	19
Speed dialling.....	20
Making a second call	20
Turning off DTMF.....	20
Viewing your call logs	20
Using call divert.....	21
Using call barring.....	21
Changing the common call setting.....	22
Changing your video call setting	22

Contacts	23
Searching for a contact.....	23
Adding a new contact	23
Contact options	24
Creating a group.....	24
Changing your contact settings.....	25
Viewing information	25
Messaging.....	26
Sending a message	26
Entering text.....	26
T9 predictive	27
Abc manual.....	27
Keyboard	27
Handwriting recognition	27
Setting up your email	28
Retrieving your email	29
Sending an email using your new account	29
Changing your email settings	30
Message folders.....	30
Managing your messages	31
Using templates.....	32
Using emoticons.....	32
Changing your text message settings.....	32
Changing your multimedia message settings	33
Changing your other settings.....	33

GET CREATIVE

Camera	34	Your photos and videos	48
Taking a quick photo	34	Viewing your photos and videos	48
After you've taken your photo	34	Using zoom when viewing a video or photo	48
Getting to know the viewfinder	35	Adjusting the volume when viewing a video	48
Using the flash	36	Capturing an image from a video	48
Using the quick settings	36	Viewing the details of a video or photo ...	49
Adjusting the contrast	37	Sending a photo or video from the gallery	49
Choosing a shot type	37	Viewing your photos as a slide show	50
Using continuous shot mode	38	Setting a photo as wallpaper	50
Taking a panoramic shot	38	Viewing your videos on a TV	50
Using the advanced settings	39	Editing your photos	51
Changing the image size	40	Adding text to a photo	52
Choosing a colour tone	40	Adding an effect to a photo	52
Using the inner camera	41	Morphing a photo	53
Viewing your saved photos	41	Adding a colour accent to a photo	53
Viewing the details of a photo	41	Swapping the colours in a photo	53
Video camera	42	Editing your videos	54
Shooting a quick video	42	Trimming the length of your video	54
After you've shot your video	42	Merging two videos together	54
Getting to know the viewfinder	43	Merging a photo with a video	54
Adjusting the contrast	44	Adding text to a video	55
Using the advanced settings	44	Overlaying a photo	55
Changing the video image size	45	Adding a voice recording	56
Choosing a colour tone	46	Adding a soundtrack to your video	56
Using the inner video camera	46	Changing the speed of your video	56
Watching your saved videos	47		
Watching your videos on your TV	47		

Contents

Adding a dimming effect	57	Using options viewing the SWF file.....	64
Multimedia	58	Documents.....	64
My images	58	Transferring a file to your phone	64
My images option menus	58	Viewing a file.....	64
Sending a photo	58	Others	65
Using an image	59	MuVee studio.....	65
Organising your images	59	Creating a movie	66
Deleting an image	59	Music	66
Moving or copying an image.....	60	Transferring music onto your phone	66
Marking and unmarking images	60	Playing a song.....	67
Creating a slide show.....	60	Using options while playing music.....	67
Checking your memory status	61	Creating a playlist	67
My sounds	61	Editing a playlist	68
Using a sound	61	Deleting a playlist	68
My videos	61	Video playlists	68
Watching a video	61	Voice recorder	68
Using options while video is paused	62	Recording a sound or voice	69
Editing a video clip.....	62	Sending the voice recording	69
Sending a video clip	62	Using the radio	69
Using a video clip as a ringtone	62	Searching for stations	70
Using the video options menu	62	Editing the channels	70
My games and apps	63	Resetting channels	70
Downloading a game	63	Listening to the radio	71
Playing a game.....	63		
Using the games options menu.....	63		
Flash contents.....	64		
Viewing an SWF file	64		

GET ORGANISED

Organiser.....	72
Adding an event to your calendar.....	72
Changing your default calendar view.....	72

Adding an item to your to do list	73	SETTINGS	
Sharing a to do item	73	Changing your screen settings	84
Using date finder	73	Personalising your profiles	84
Setting your alarm	74	Changing your phone settings	85
Adding a memo	74	Changing your connectivity settings	85
Using your calculator	74	Using memory manager	86
Adding a city to your world clock	75	Using flight mode	86
Converting a unit	75	Sending and receiving your files	
PC Sync	76	using Bluetooth	86
Installing LG PC Suite on your computer	76	Using a Bluetooth headset	88
Connecting your phone and PC	76	ACCESSORIES	90
Backing up and restoring your		NETWORK SERVICE	92
phones information	76	TECHNICAL DATA	92
Viewing your phone files on your PC	77	GUIDELINES	
Synchronising your contacts	77	Guidelines for safe and efficient use	94
Synchronising your messages	78		
Using your phone as a mass			
storage device	78		
DivX Converter	79		
THE WEB			
Accessing the web	80		
Adding and accessing your bookmarks	80		
Saving a page	81		
Accessing a saved page	81		
Viewing your browser history	81		
Changing the web browser settings	81		
Using your phone as a modem	82		

Getting to know your phone

Charger, Cable, Handsfree connector

TIP: To connect the USB cable, wait until the phone has powered up and has registered to the network.

Camera mode

Lock/ Unlock key (Image Stabilization key in Camera)

Inner camera lens

End/Power key

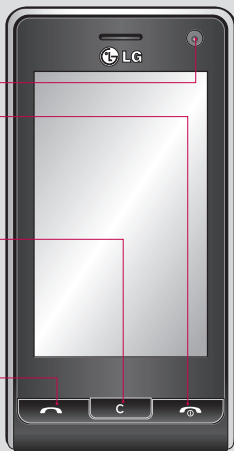
Ends or rejects a call.
Turns the phone on/off.
Press once to return to the standby screen.

Clear key

Deletes a character with each press.

Call key

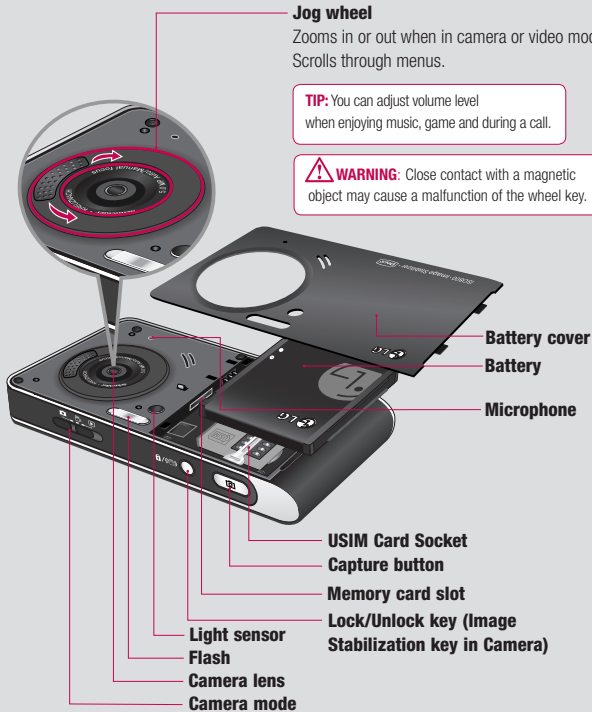
Dials a phone number and answers incoming calls.



WARNING: Placing a heavy object on the phone or sitting on it while it is in your pocket can damage the phone's LCD and touch screen functionality.

Capture button

Open view



01

02

03

04

05

06

07

08

Installing the USIM and battery



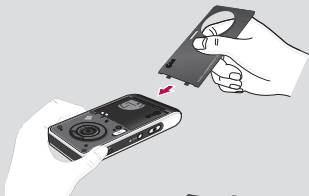
1 Remove the battery cover

Press and hold down the battery release button at the top of the phone and lift off the battery cover.



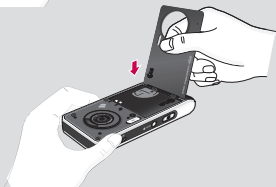
2 Remove the battery

Hold the top edge of the battery and lift the battery from the battery compartment by using the battery cover.

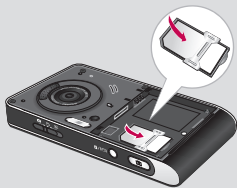


⚠ WARNING: Do not use your fingernail when removing the battery.

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



Installing the USIM and battery



3 Install the USIM card

Slide the USIM card into the USIM card holder. Make sure that the gold contact area on the card is facing downwards. To remove the USIM card, pull it gently in the reverse direction.



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 down the bottom of the battery until it clips into place.



5 Charging your phone

Slide back the cover of the charger socket on the side of your KU990. Insert the charger and plug into a mains electricity socket. Your KU990 will need to be charged until a message reading Fully Charged appears on screen.

01

02

03

04

05

06

07

08

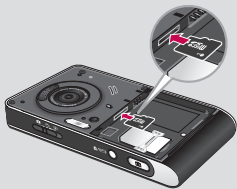
Memory card

Installing a memory card

Expand the memory space available on your phone using a memory card. The KU990 will support up to a 2GB memory card.

TIP: Memory card is an optional accessory.

- 1 Remove the battery and battery cover as before.
- 2 Insert 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.



- 3 Replace the battery cover as before.

Formatting the memory card

If your memory card is already formatted, you can begin using it. If your card isn't formatted you will need to do so.

- 1 From the standby screen select **⋮**, then touch **⚙** and choose **Phone settings**.
- 2 Touch **Memory manager** then chose **External memory**.
- 3 Touch **Format** and then confirm your choice.
- 4 Enter the password, if one is set, and your card will be formatted and ready to use.

TIP: To change your default storage destination, open Memory manager from the Phone settings menu and select Primary storage settings.

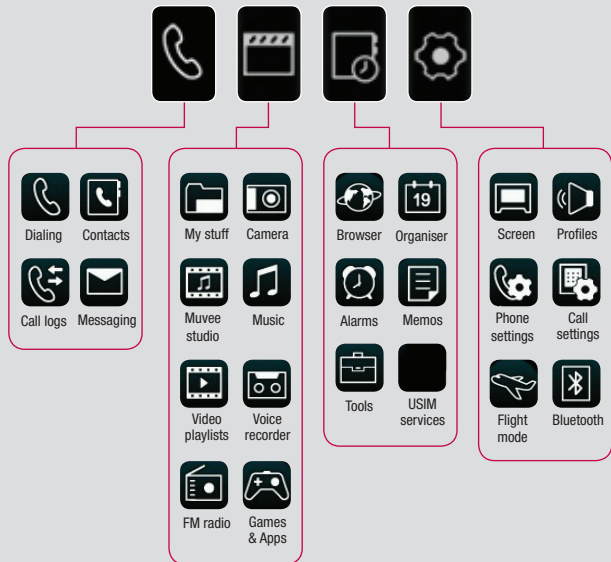
Note: If your memory card has existing content on, it will automatically be filed in the correct folder, so for example videos will be stored in the My Videos folder.

Transferring your contacts

To transfer your contacts from your USIM to your phone:

- 1 From the standby screen select **⋮** and choose **Contacts**.
- 2 Touch **Settings** then **Copy**.
- 3 Choose **Handset to USIM** and touch **OK**.
- 4 Choose **All together** or **one by one** and touch **OK**.

Menu map



01

02

03

04

05

06

07

08

Your standby screen

Whenever your KU990 isn't in use it'll return to your home screen. From here you access all the menu options, make a quick call and view the status of your phone - as well as many other things.

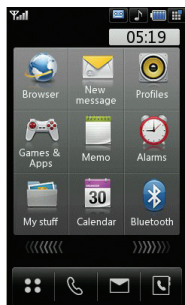
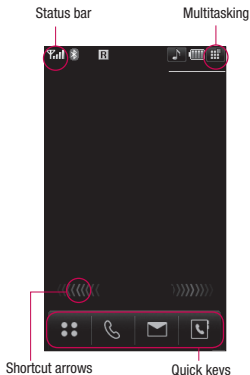
Touchscreen tips

The home screen is also a great place to get accustomed to the touch screen.

To select an item touch the icon accurately. Your KU990 will vibrate slightly when it recognises you've touched an option.

To scroll through lists touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.






- There's no need to press too hard, the touchscreen is sensitive enough to pick up on a light yet firm 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 Unlock/Lock key on the right hand side to restore the home screen.
- Don't cover the phone with a case or cover as the touchscreen will not work with any material covering them.





▲ Shortcut menu

The quick keys

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

-  Touch to open the full menu which is separated into four sub-menus. Touch each sub-menu's vertical tab to view further options.
-  Touch to bring up the touch dialling pad to make a call. Input the number as you would using a normal key pad and touch  or press the . To initiate a video call with the number, press  after inputting the number. See page 18 for details.

-  Touch to access the Messaging options menu. From here you can create a new SMS or email, or view your message folder. See page 26 for details.
-  Touch to open your address book. Alphabetical tabs run vertically along the left side of the screen so you can easily find the contact you're looking for. You can also create new contacts and edit existing ones. See page 23 for details.

Advice to the customer

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















please do not cover the antenna area with your hand during a call and using a bluetooth connection. It may degrade speech quality.













Your standby screen

The status bar

The status bar indicates, using various icons, things like signal strength, new messages and battery life as well as telling you whether your Bluetooth or GPRS is active.

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


Icon	Description
	Multitasking
	Applications running
	Network signal strength (number of bars will vary)
	No network signal
	Remaining battery life
	Battery empty
	New text message
	New voice message
	Message inbox is full
	Message sending failed
	An alarm is set
	Vibrate profile in use


Icon	Description
	Normal profile in use
	Outdoor profile in use
	Silent profile in use
	Headset profile in use
	Calls are diverted
	GPRS available
	EDGE in use
	Roaming
	Flight mode is selected
	Bluetooth is active
	HSDPA available
	3G available


Changing your profile from the status bar

Touch the icon that represents your current profile setting in the status bar. Select a profile type, for example **Silent**, and touch **OK** to save and close.

Using the Multitasking function

Touch  to open the Multitasking menu. From here you can view all the applications you have running and access them with one touch.

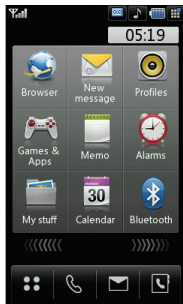
From any application, touch  and select Home screen to return to the standby screen without exiting or closing the application.

When you have an application running in the background (e.g. a game or the FM radio),  will appear in the status bar.

The shortcut menu






The shortcut menu provides nine further menu options. To open the shortcut menu:


- 1 Touch the standby screen once above the quick keys.
- 2 When the shortcut arrows appear, slide your finger horizontally across them in either direction.
- 3 The shortcut menu will open. Touch any of the nine options to open the application or a further menu.
- 4 To close the shortcut menu, slide your finger across the shortcut arrows again, in either direction.




Calls

Making a call or video call


- 1 Touch  to open the keypad.
- 2 Key in the number using the keypad.
To delete a digit press the C hard key.
- 3 Touch  or  hard key to initiate the call. Touch  to make a video call.
- 4 To end the call press the  hard key.


TIP! To enter + for making an international call, touch  twice.

TIP! Press the lock/unlock button to lock the touchscreen to prevent calls being made by mistake.


TIP! To bring up the keypad during a call, touch .


Making a call from your contacts


- 1 From the standby screen touch  to open the address book.
- 2 Select the alphabetical tab corresponding to the first letter of the contact you'd like to call. So, for 'Home', select **E-H**.
- 3 From the list, touch the contact you'd like to call and select the number to use if you have more than one saved.
- 4 Touch **Call**.

TIP! You can search your contacts from the call screen. Touch  and choose **Search contacts**. Scroll through your contacts or enter the first few digits of a number to limit the list.

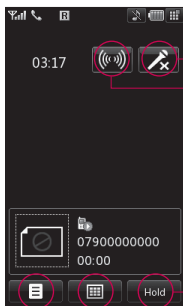
Answering and rejecting a call

When your phone rings press the  hard key to answer the call.


Press the  hard key to mute the ringing. This is great if you've forgotten to change your profile to Silent for a meeting.


Press the  hard key a second time to reject the incoming call.

In-call options




TIP! To scroll through a list of options or your list of contacts, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

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

Speaker - Touch  to turn on the speaker phone.

Hold - Touch **Hold** to put a caller on hold. Touch **Resume** to continue your conversation.

Keypad - Touch  to open a numerical keypad for navigating menus with numbered options. For example when dialling call centres or other automated telephone services.

Options - Choose from a list of further in-call options, including **Go to contacts** and **Go to messages** so you can check your messages and add contacts during a call. You can also end the call from here by touching **End call**.

Adjusting the call volume

To adjust the volume during a call turn the jog wheel clockwise to increase the volume or anti-clockwise to decrease the volume.

01

02

03

04

05

06


07



08

Calls




Speed dialling


You can assign a frequently-called contact to a speed dial number.

- 1 Touch  and select **Contacts**.
- 2 Touch **Speed dials**.
- 3 Your Voicemail is already set to speed dial 1. You cannot change this. Touch any other number to assign it a speed dial contact.
- 4 Your address book will open. Select the contact you'd like to assign to that number by touching their phone number once.

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

Making a second call


- 1 During your initial call, touch  and select **Add new call**.
- 2 Dial the number or search your contacts (see **Making a call** on page 18 for details).
- 3 Press  to connect the call.
- 4 Both calls will be displayed on the call screen. Your initial call will be locked and the caller put on hold.
- 5 Touch **Swap** to change between the calls.
- 6 To end one or both calls press  and select **End** followed by **All** or **Active**.

TIP! You can combine your calls by selecting  then **Join**. Check that your network provider supports conference calling.

NOTE: You will be charged for each call you make.


Turning off DTMF

DTMF allows you to use numerical commands to navigate menus within automated messages. DTMF is switched on as default.

To turn it off during a call (to make a note of a number for example) touch  and select DTMF off.

Viewing your call logs

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Touch  and select **Call logs**.
Choose to view:

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

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.

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



Call charges - View the charges applied to your dialled numbers (this service is network dependant, some operators are unable to support this) and the call duration of all your calls; received and dialled.

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

TIP! From any call log touch  and **Clear** to delete all the recorded items.

TIP! Touch any single call log entry to view the date, time and duration of the call.

Using call divert

- 1 Touch , select  and choose **Call settings**.
- 2 Touch **Call divert** and choose **Video calls** and/or **Voice calls**.
- 3 Choose whether to divert all calls, when the line is busy, when there is no answer or when you are not reachable.
- 4 Input the number you'd like to divert to.
- 5 Touch **Divert** to activate.

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

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

Using call barring

- 1 Touch , select  and choose **Call settings**.
- 2 Touch **Call barring** and choose **Video calls** and/or **Voice calls**.
- 3 Choose any or all of the six options:
All outgoing
Outgoing international
Outgoing international calls except
All incoming
Incoming when abroad
- 4 Enter the call barring password.
Please check with your network operator for this service.

TIP! Select **Fixed dial number** 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.

01

02

03

04

05



06

07

08



Calls

Changing the common call setting

- 1 Touch , select  and choose **Call setting**.
- 2 Touch **Common setting**. From here you can amend the settings for:
 - Call reject** - Select **On** or **Off** and choose to reject all calls, of those from specific groups, contacts or from unregistered numbers (those not in your contacts).
 - Send my number** - Choose whether your number will be displayed when you call someone.
 - Auto redial** - Choose **On** or **Off**.
 - Answer mode** - Choose whether to answer the phone using the **Send** key or any key.
 - Minute minder** - Select **On** to hear a tone every minute during a call.
 - BT answer mode** - Select **Hands-free** to be able to answer a call using a Bluetooth headset or select **Handset** to press a key on the handset to answer a call when using a Bluetooth headset.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Changing your video call setting


- 1 Touch , select  and choose **Call settings**.
- 2 Touch **Video call setting**.
- 3 Choose the settings of your video calling. Determine whether to **Use private image** and select one, switch on the **Mirror** (so you can see yourself on screen) and select an **Image size**.


Contacts

Searching for a contact



There are two ways to search for a contact:



From the standby screen

- 1 From the standby screen touch  to open the address book.
- 2 Select the alphabetical tab corresponding to the first letter of the contact you'd like to view. So, for 'Home' select **E-H**.

TIP! You can search by group by touching  and selecting **Search by group**. This will bring up a list of all your groups.


From the main menu

- 1 Select **Contacts**.
- 2 Touch  and enter the first few letters of the contact you'd like to find using the keypad. Or select  to switch to address book view and select the tab corresponding to the first letter of the name.
- 3 Your address book will bring up a list of the contacts corresponding to the letters you've entered.

TIP! You can switch between the keypad search screen and the alphabetical address book screen by touching the  or  icon in the top right corner of the screen.

TIP! To scroll through your list of contacts, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Adding a new contact

- 1 From the standby screen touch  and select **Contacts**.
- 2 Select **Add new**.
- 3 Choose whether to save the contact to your **Handset** or **USIM**.
- 4 Enter the first and last name of your new contact. You do not have to enter both, but you must enter one or the other.
- 5 Enter up to five different numbers and assign a type for each. Choose from **Mobile, Home, Office, Pager, Fax, VT** and **General**. Touch **OK**.
- 6 Add up to two email addresses.
- 7 Assign the contact to a group. Choose from **No group, Family, Friends, Colleagues, School** or **VIP**.
- 8 You can also add a **Homepage, Home address, Company name, Job title, Company address** and a **Memo**.
- 9 Touch **Save** to save the contact.

TIP! You can create customised groups for your contacts, see **Creating a group** on page 24.

01

02

03

04

05

06

07

08

Contacts

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** on page 23.

- 2 Press  to open the list of options.

From here you can:

Edit - Change any of the contact's details.

Send message - Send a message to the contact. If the contact has an email address, select whether you'd like to send an email or SMS/MMS. See page 26 for details on how to send messages.

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

Make a voice call - Call the contact.

Make a video call - Video call the contact.

Save to USIM/Handset - Choose to move or copy to the USIM card or handset (depending on where you originally saved the contact).

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

Add new contact - You can add new entry.

Mark/Unmark - You can select one or more contacts for multiple deletion.

Search by group - You can search the entry by group.

Creating a group

- 1 From the standby screen touch  and select **Contacts**.


- 2 Select **Groups** and touch .

- 3 Select **Add new group**.

- 4 Enter a name for your new group.

- 5 Touch **Save**.


Note: If you delete a group, the contacts which were assigned to that group will not be lost. They will remain in your address book.

TIP! You can edit an existing group by highlighting it and touching . Choose to Add a member to the group from your contacts, assign a Group ringtone, Rename the group or Delete a group.

Changing your contact settings

You can adapt your contact settings so that your address book works in the way you prefer.

TIP! To scroll through a list of options, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- 1 From the standby screen touch  and select **Contacts**.
- 2 Select **Settings**. From here you can adjust the following settings:

Display data - Choose whether to view contacts saved to both your **Handset & USIM**, **Handset** only or **USIM** only.

You can also select to show the first name or last name of a contact first.

Synchronise contacts - Connect to your server to synchronise your contacts. See **Synchronising your contacts** on page 77.

Copy - Copy your contacts from your USIM to your handset or from your handset to your USIM. Choose to do this one at a time, or all at once. If you select one at a time, you'll need to select each contact to copy one by one.


Move - This works in the same way as **Copy**, but the contact will only be saved to the location you've moved it to, e.g. if you move a contact from the USIM to the handset it will be deleted from the USIM memory.

Backup contacts - See **Backing up and restoring your phone's information** on page 76.

Restore contacts - See **Backing up and restoring your phone's information** on page 76.

Clear contacts - Delete all your contacts. Touch **Yes** if you are sure you want to wipe your address book.

Viewing information

- 1 From the standby screen touch  and select **Contacts**.
- 2 Select **Information**.
- 3 From here you can view your **Service dial numbers**, your **Own number**, your **Memory info**. (how much memory space you've got left) and **My business card**.



TIP! If you've yet to add a business card for yourself, select **Add** and enter all your details as you would for any contact. Touch **Save** to finish.

Messaging

Messaging


Your KU990 combines SMS, MMS and email into one intuitive and easy to use menu.

There are two ways to enter the messaging centre:

- 1 Touch  from the standby screen.
- 2 Touch  from the standby screen, then **Messaging**.

Sending a message

- 1 Touch  then choose **Create new message**.
- 2 Choose **Message** to send an SMS or MMS. Or to send an email, choose **Email**. See page 29 for details.
- 3 A new SMS will open.
- 4 Touch  or  then **Insert**, to add an image, video, sound or symbol.
- 5 Touch **Send**. Enter the phone number or touch **Contacts** to open your contacts list. You can add multiple contacts.


 **WARNING:** You will be charged per 160 character text message for each person that you send the message to.


 **WARNING:** If an image, video or sound is added to an SMS it will be automatically convert to an MMS and you will be charged accordingly.

Entering text


There are four ways to enter text: T9 predictive, Abc manual, Keyboard and Handwriting recognition.


To switch between text entry methods touch the corresponding icon at the top of the screen.

 **Handwriting recognition** - Choose **Handwriting-Screen** or **Handwriting-Box**

 **T9 predictive text** - Touch to turn on T9 predictive text then select **T9 abc**, **T9 Abc** or **123**.

 **Abc manual** - Choose **Abc**, **ABC** or **123**

To use the keyboard, touch  and select **keyboard** from the drop down menu.

Use  to scroll through the different keyboard types in each text entry mode (for example, capitals or lowercase).

To enter a space touch **0**.

To change between upper, lower and title case press .


To delete a character use the **C** hard key below the screen.

To enter a symbol touch .


T9 predictive

In T9 mode you will see .

T9 mode uses a built-in dictionary to recognise words you're writing based on the key sequences you touch. Simply touch 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  or **Spell**. If you touch **Spell** you can then enter the word using Abc manual mode and your word or name will be added to the dictionary.

Abc manual

In Abc mode you will see .

In Abc mode you must touch the key repeatedly to enter a letter. For example, to write 'hello', touch **4** twice, **3** twice, **5** three times, **5** three times again, then **6** three times.

Keyboard

In Keyboard mode the screen flips to landscape and a full qwerty keyboard appears on screen.

Simply touch each letter to write your message and press:



to switch to upper case



to add a space

TIP: Keyboard mode predicts and shows what you will type in next. These words are predicted based on the sentences you have typed in so far. If you do not wish to use the suggested words, keep typing in new words. If you wish to use the suggested words, press the space bar to confirm them.

Handwriting recognition

In Handwriting mode you simply write on screen and your KU990 will convert your handwriting into your message. Select **Screen** or **Box** depending on your preferred view.



WARNING: You may find it easier to use a stylus in this mode, please remember to press lightly to protect your screen from damage.

Messaging

Setting up your email

You can stay in touch on the move using email on your KU990. It's quick and simple to set up a POP3 or IMAP4 email account.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- 1 Touch  then select **Settings**.
- 2 Touch **Email** then **Email accounts**.
- 3 Open  and touch **Add new**.
- 4 You can now choose how your account works:
 - Title** - Enter a name for this account.
 - My name** - Enter your name.
 - Username** - Enter the account's username.
 - Password** - Enter the account's password.
 - Email address** - Enter the account's email address.
 - Reply email address** - Enter the 'reply to' email address.
 - Outgoing mail server** - Enter the account's details.
 - Incoming mail server** - Enter the account's details.
 - Maximum receive size** - Choose the size limit of your emails, the maximum is 1MB.

Mailbox type - Enter the mailbox type, POP3 or IMAP4.

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

Save sent mail into - Choose where to save your IMAP4 emails. For POP3 accounts copies are always saved on the phone.

Access point - Choose your Internet access point. Press  to use a preset access point.

Auto retrieve - Choose whether to fetch your new emails automatically.

Advanced settings - Choose whether to use the advanced settings.

SMTP port number - Normally, this will be 25.

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

SMTP authentication - Choose the security settings for the outgoing mail server

SMTP username - Enter the SMTP username.

SMTP password - Enter the SMTP password.



APOP secure login - Choose to activate APOP secure login for a POP3 account. IMAP4 accounts are always set to off.

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



Retrieving your email

You can automatically or manually check your account for new email. See 'Change your email settings' to check automatically.

To check manually:

- 1 Touch  then **Email**.
- 2 Touch the account you want to use then .
- 3 Choose **Retrieve** and your KU990 will connect to your email account and retrieve your new messages.

Sending an email using your new account

- 1 Touch  then chose **Create new message**.
- 2 Choose **Email** and a new email will open.
- 3 Use the tabs and  to enter the recipients address and write your message. Use the **Files** tab to attach images, videos, sounds or other file types.
- 4 Touch **Send** and your email will be sent.

TIP! You can email Word, Excel, PowerPoint and PDF documents to your KU990 so you can review them on the move.

01

02

03

04

05

06

07


08

Messaging

Changing your email settings

You can adapt your email settings so that it works in the way you prefer.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- 1 Touch  then open **Settings**.
- 2 Touch **Email** then **Email accounts** and then you can adapt the following settings:
 - Allow reply email** - Choose to allow the sending of 'read confirmation' messages.
 - Request reply email** - Choose whether to request 'read confirmation' messages.
 - Retrieve interval** - Choose how often your KU990 checks for new email messages.
 - Include message in Fwd. & Reply** - Choose to include the original message or not.
 - Include attachment** - Choose to include the original attachment.
 - Auto Retrieval in Roaming** - Choose to auto retrieve your messages when abroad, or stop auto retrieval.
 - New Email noti. Info** - Choose whether to be alerted to new emails.
 - Signature** - Create an email signature and switch this feature on.

Priority - Choose the priority level of your email messages.

Message folders

You'll recognise the folder structure used on your KU990, it's 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.

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

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

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

Managing your messages

You can use your Inbox to manage your messages.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- 1 Touch  then **Inbox**.
- 2 Touch  and then choose to:
 - Reply to** - Send a reply to the selected message.
 - Forward** - Send the selected message on to another person.
 - Make voice call** - Call the person who sent you the message.
 - Make video call** - Make a video call to the person who sent you the message.
 - Delete** - Delete the message.
 - Create new message** - Open a new, blank message or email.
 - Copy** - Save a copy of the message to your phone.
 - Move** - Move the message to your phone.
 - Filter** - View your message by type. This will group SMS separately from MMS.
 - Mark/Unmark** - Mark your messages for multiple deletion.

Message information - See additional information for the message, for example, the time it was sent.

If you see the message **No space for USIM 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.

01

02

03

04

05

06



07

08

Messaging

Using templates

Create templates for the SMS and MMS messages you send most frequently. You'll find some templates already on your phone, you can edit these if you wish.

- 1 Touch  then choose **Templates**.
- 2 Choose **Text templates** or **Multimedia templates**. You can then touch  to **Add new, Edit, Delete** or **Delete all** templates.

Using emoticons


Liven up your messages using emoticons. You'll find some commonly used emoticons already on your phone.

- 1 Touch  then choose **Emoticons**.
- 2 Touch  to **Add new, Edit, Delete** or **Delete all** emoticons.

Changing your text message settings

Your KU990 message settings are pre-defined so that you can send messages immediately. If you'd like to change the settings, see below for more information.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Touch  then choose **Settings** then **Text message**. You can make changes to:

Text message centre - Enter the details for your message centre.

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

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

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


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

Send long text as - Choose to send as **Multiple SMS** or as an **MMS**.

Changing your multimedia message settings

Your KU990 message settings are pre-defined so that you can send messages immediately. If you'd like to change the settings, see below for more information.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Touch  then choose **Settings** then **Multimedia message**. You can make changes to:

Retrieval mode - Choose **Home** or **Roaming** network. If you then choose **Manual** you will receive only notifications of MMS and you can then decide whether to download them in full.

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

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

Priority - Choose the priority level of your MMS.

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

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

Creation mode - Choose your message mode.


Delivery time - Deliver your message at a specific time.

Multi msg. centre - Enter the details for your message centre.

Note: See page 30 for details on how to change your email settings.

Changing your other settings

Touch  then choose **Settings** then:


Voicemail - Touch  to add a new Voicemail service or contact your network operator for more information on the service they provide.

Service message - Choose to receive or block service messages. You can also set your message security by creating trusted and untrusted lists of senders.

Info service - Choose your reception status, language and other settings.

Camera


Taking a quick photo


- 1 Move the camera mode switch to .
- 2 Press the capture button. The camera's viewfinder will appear on screen.
- 3 Holding the phone horizontally, point the lens towards the subject of the photo.
- 4 Slightly press the capture button, a focus box will appear in the centre of the viewfinder screen.
- 5 Position the phone so you can see the subject of your photo in the focus box.
- 6 When the focus box turns green, the camera has focused on your subject.
- 7 Press the capture button fully.


After you've taken your photo


Your captured photo will appear on screen. The name of the image runs along the bottom of the screen together with four icons down the right side.



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

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

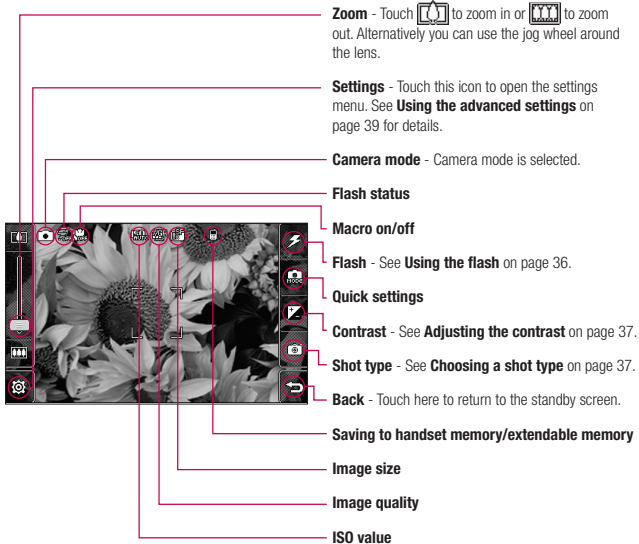
 Touch to set the photo you have just taken as your wallpaper.

 Touch to send the photo as an MMS, Email or via Bluetooth. See page 26 for

Sending a message, page 86 for **Sending and receiving your files using Bluetooth**.

TIP! Move the camera mode switch to  to open the photo gallery. See page 41, **Viewing your saved photos**, for details.

Getting to know the viewfinder




TIP! You can close all the shortcut options for a clearer viewfinder screen. Simply touch the centre of the viewfinder once. To recall the options touch the screen again.

Camera

Using the flash

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

- 1 Select  from the top left corner of the viewfinder to enter the flash sub-menu.



- 2 There are three flash options:

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

Red-eye reduction - The camera will flash twice in order to reduce red eye.

Always off - The camera will never flash. This is useful if you want to save battery power.


- 3 Touch the flash option you'd like to use.
- 4 When you've 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: Whenever you exit the camera, the flash setting will revert to the default off mode. You'll need to switch the flash back on if you still need it when you reopen the camera.




TIP! In camera mode the unlock/lock button functions as an Image Stabilizer mechanism. The Image Stabilizer compensates for small movements the camera makes when you're shooting a picture. This is useful when you're taking photos without the flash, as the exposure is longer and therefore the camera will pick up on small movements.

Using the quick settings


- 1 Touch  to open the quick settings options. These include various options for taking photos at night (e.g. **Night** or **Party**), for landscape or portrait photography or to photograph moving subjects (e.g. **Sport** mode). Select **High Sensitive** for a more luminescent photo.
- 2 Touch the preset quick setting which best suits the conditions.
- 3 Take your photo.

Adjusting the contrast

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.

- 1 Touch .
- 2 Slide the contrast indicator along the bar, towards  for a lower contrast, hazier image or towards  for a higher contrast, sharper image.

Choosing a shot type

- 1 Touch  to open the available shot types.
- 2 Choose from the four options:

Normal shot - This is the default shot type, the photo will be taken in the normal way, as outlined in taking a quick photo.

Continuous - This enables you to take nine shots automatically in very quick succession. See **Using continuous shot mode** on page 38 for details.


Panorama - This shot type is great for taking a photo of a large group of people or for capturing a panoramic view. See **Taking a panoramic shot** on page 38 for more details.

Frame - Choose from one of the fun frames to transform your friend into a pirate or just decorate their surroundings.

Camera

Using continuous shot mode


Continuous shot mode is great for taking photos of moving objects or at sporting events.

- 1 Touch  to open the available shot types and select **Continuous**.
- 2 Position the subject in the viewfinder and press the capture button as you would to take a normal photo.
- 3 The camera will take nine shots in quick succession and display the first with nine thumbnails shown on the left side of the screen.
- 4 You can save one of the nine shots. Select the one you want to keep by touching the thumbnail: once to view and touch **Save** to save.
- 5 A tick will appear next to the image thumbnail. Touch **Save** to exit.




Taking a panoramic shot

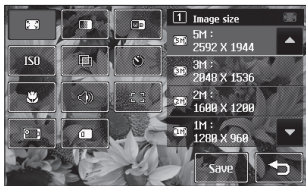
Capture life as it appears using panoramic shot. The camera will let you take three photo's, all aligned, and combine them into one image so that your wide angle view becomes a panoramic photo.


- 1 Touch  to open the available shot types and select **Panorama**.
- 2 Take the first photo as normal. A ghosted version of the right side of the image will appear in the viewfinder.
- 3 When you take the second and third photo, line the ghost of the previous image up with the image in the viewfinder.
- 4 In the photo gallery, the photos will be saved as three separate images and one panoramic image.


Note: Due to the image size the panoramic photo will appear slightly distorted in the Gallery view. Touch it twice to view it properly.


Using the advanced settings


From the viewfinder touch  to open all the advanced settings options.




 **Image size** - Change the size of the photo to save on memory space or take a picture preset to the correct size for contact. See **Changing the image size** on page 40.


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

 **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, Incandescent, Sunny, Fluorescent** or **Cloudy**.

 **ISO** - ISO determines the sensitivity of the camera's light sensor. The higher the ISO, the more sensitive the camera will be. This is useful in darker conditions when the flash can't be used. Choose an ISO value from **Auto, ISO 100, ISO 200, ISO 400** or **ISO 800**.

 **Colour tone** - Choose a colour tone to apply to the photo you're taking. See **Choosing a colour tone** on page 40.

 **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.

 **Macro** - Macro mode allows you to take extreme close-ups. If you are trying to take a close-up shot but the focus box remains red, try turning the macro mode on.

 **Shutter sound** - Select one of the three shutter sounds.

 **Focus** - Select the way of focus.

 **Switch camera** - For self portraits, switch to the LG KU990's inner camera. See **Using the inner camera** on page 41 for details.

 **Memory in use** - Choose whether to save your photos to the **Handset memory** or to the **External memory**.

01

02

03

04

05

06

07

08

Camera



Note: Always touch **Save** after selecting a new setting to implement the changes you've made.

TIP! When you exit the camera all your settings will return to default, except image size and image quality. Any non-default settings you require will need to be reset, for example colour tone and ISO. Check them before you shoot your next photo.

TIP! The settings menu is superimposed over the viewfinder, so when you change elements of the image colour or quality you'll be able to see the image change in preview behind the settings menu. Remember to touch **Save** before exiting to apply any changes.

Changing the image size

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 From the viewfinder touch  in the bottom left corner.
- 2 Select  from the settings menu.

- 3 Select a pixel value from the six numerical options (**5M: 2592x1944**, **3M: 2048x1536**, **2M: 1600x1200**, **1M: 1280x960**, **640x480**, **320x240**) or choose the preset:

Contacts - This sets up the camera to take a photo the perfect size to be added to a phone contact.

- 4 Select the size option you'd like to use and touch **Save** to implement your changes. The settings menu will automatically close, ready for you to take your picture.



Choosing a colour tone


- 1 From the viewfinder touch  in the bottom left corner.
- 2 Select  from the settings menu.
- 3 There are five colour tone options, **Normal** (colour), **Black & White**, **Negative**, **Sepia** or **Emboss**.
- 5 Touch the colour tone you'd like to use and select **Save**.
- 6 When you've made your selection the colour tone menu will automatically close, ready for you to take your picture.



TIP! You can change a photo taken in colour to black and white or sepia after it's taken but you cannot change a picture taken in black and white or sepia back to colour.

Using the inner camera



Your LG KU990 has a 640x480 inner camera, not just for video calling but for taking pictures too.

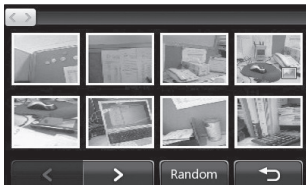
- 1 To switch to the inner camera touch  then select .
- 2 After a few seconds you'll see yourself in the viewfinder. To capture the image press the capture button as normal.

TIP! The inner camera has fewer settings as it has no flash or ISO. You can still alter the image size, image quality, white balance and colour tone by touching  in the same way as when using the main camera.

- 3 After you've taken the photo you'll be offered all the same options as are available for an image taken with the main camera.
- 4 To return to the main camera touch  and then .


Viewing your saved photos

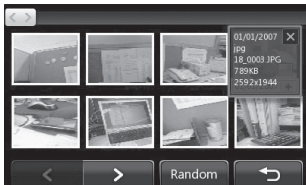
- 1 You can access your saved photo's from within the camera mode and from the standby screen. From within the camera you simply move the camera mode switch to , whilst from the standby screen you should move the camera mode switch to  and then press the capture button.
- 2 Your gallery will appear on screen.




- 3 Touch the photo you want to view once to bring it to the front of the gallery.
- 4 Touch the photo a second time to open it fully.

Viewing the details of a photo

- 1 Touch the photo to bring it to the front of the gallery screen.
- 2 Touch the  icon in the bottom right corner of the photo.
- 3 The photo will flip over to reveal its name, the date it was taken, its size (in kilobytes and pixels) and the image type (e.g. jpeg).



- 4 Touch  to close the details and view the photo.

01

02

03

04

05





06

07

08

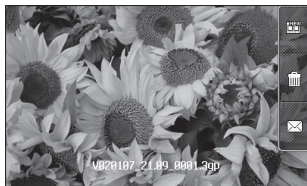
Video camera


Shooting a quick video


- 1 Move the camera mode switch to .
- 2 Press the capture button. The video camera's viewfinder will appear on screen.
- 3 Holding the phone horizontally, point the lens towards the subject of the video.
- 4 Press the capture button once to start recording.
- 5 **REC** will appear at the top of the viewfinder and a timer at the bottom showing the length of your video.
- 6 To pause the video touch  and resume by selecting .
- 7 Touch  on screen or press the capture button a second time to stop recording.


After you've shot your video


A still image representing your captured video will appear on screen. The name of the image runs along the bottom of the screen together with three icons down the right side.



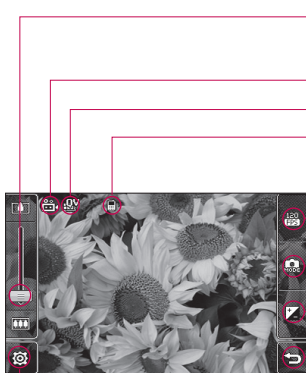
 Touch to shoot another video straight away. Your current video will be saved.

 Touch to delete the video you have just made and confirm by touching **Yes**. The viewfinder will reappear.

 Touch to send the video as an MMS, Email or via Bluetooth. See page 26 for **Sending messages**, or page 86 for **Sending and receiving your files using Bluetooth**.

TIP! Move the camera mode switch to  to open the gallery. See page 48, **Viewing your photos and videos**, for details.

Getting to know the viewfinder



Zoom - Touch to zoom in or to zoom out. Alternatively you can use the jog wheel around the lens.

Video mode - Video mode is selected.

Image size

**Saving to handset memory/
External memory**

120fps - Smaller image size with Quad Speed Playback, capturing the action at an impressive 120 frames per second. Playback is at 15 frames per second for the best view in the house. Great for capturing high speed action.

Camera mode

Contrast - See **Adjusting the contrast** on page 44.

Back - Touch here to return to the standby screen.




Settings - Touch this icon to open the settings menu. See **Using the advanced settings** on page 44 for details.

TIP! You can close all the shortcut options for a clearer viewfinder screen. Simply touch the centre of the viewfinder once. To recall the options touch the screen again.


Video camera

Adjusting the contrast


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.


- 1 Touch .
- 2 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

From the viewfinder touch  to open all the advanced settings options.




 **Image size** - Change the size of the video to save on memory. See **Changing the video image size** on page 45.

 **Image 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, which means you'll be able to store fewer videos in the phone's memory.


 **Duration** - Set a duration limit for your video. Choose **Normal** or **MMS** to limit the size to be able to send the video as an MMS.


TIP! If you choose MMS duration, try choosing a lower image quality to enable you to shoot a longer video.

 **Mute** - Choose **Mute** to record a video without sound.

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

 **Colour tone** - Choose a colour tone to apply to the video you're taking. See **Choosing a colour tone** on page 46.

 **Switch camera** - Switch to your LG KU990's inner camera to record a video of yourself. See **Using the inner video camera** on page 46 for details.

 **Memory in use** - Choose whether to save your videos to the **Handset memory** or to the **External memory**.








Note: Always touch **Save** after selecting a new setting to implement the changes you've made.

TIP! When you exit the video camera all your settings will return to default, except image size and image quality. Any non-default settings you require will need to be reset, for example colour tone and white balance. Check them before you shoot your next video.

TIP! The settings menu is superimposed over the viewfinder, so when you change elements of the image colour or quality you'll be able to see the image change in preview behind the settings menu. Remember to touch **Save** before exiting to apply any changes.

Changing the video image size

The more pixels, the larger the file size, which in turn means they take up more memory. If you want to fit more videos onto your phone you can alter the pixel number to make the file size smaller.

- 1 From the viewfinder touch  in the bottom left corner.
- 2 Select  from the settings menu.
- 3 Select a pixel value from the six options:
 -  **640x384(W)** - The highest quality widescreen option.
 -  **400x240(W)** - This is also widescreen, but of a lower resolution.
 -  **640x480** - Standard sized VGA. This option is of the highest resolution but not widescreen.
 -  **320x240** - Smaller image size, therefore smaller file size. Great for saving on memory space.
 -  **176x144** - Smallest image size and therefore smaller file size.

01

02

03

04

05

06


07

08

Video camera



- 4 Select the size option you'd like to use and touch **Save** to implement your changes. The settings menu will automatically close, ready for you to shoot your video.

Note: When you view your videos, playback speed is 30 frames per second, with the exception of 120fps where playback is at 15 frames per second..

 **WARNING:** The great editing software on your LG KU990 is compatible with all video types except 640x384 and 640x480. Don't record in this format if you plan to edit your video.

TIP! For video format conversion software, see the CD which you received with your KU990.





Choosing a colour tone


- 1 From the viewfinder touch  in the bottom left corner.
- 2 Select  from the settings menu.
- 3 There are five colour tone options, **Normal** (colour), **Black & White**, **Negative**, **Sepia** or **Emboss**.
- 5 Touch the colour tone you'd like to use and select **Save**.
- 6 When you've made your selection the colour tone menu will automatically close, ready for you to shoot your video.

TIP! You can change a video shot in colour to black and white or sepia after it's taken, but you cannot change a video shot in black and white or sepia back to colour.


Using the inner video camera

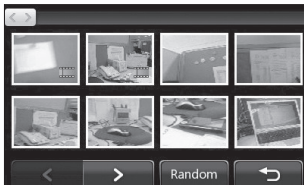
Your LG KU990 has a 320x240 inner camera, not just for video calling but for recording videos too.

- 1 To switch to the inner camera touch  then select .
- 2 After a few seconds you'll see yourself in the viewfinder. To start recording the image press the capture button as normal, press a second time to stop recording.
- 3 After you've shot the video you'll be offered all the same options as are available for a video shot using the main camera.
- 4 To return to the main camera touch  and then .

TIP! You can still alter the image size, image quality, duration, mute, white balance, colour tone and the memory by touching  in the same way as when using the main camera.



Watching your saved videos

- 1 Move the camera mode switch to  and press the capture button.
- 2 Your gallery will appear on screen.



- 3 Touch the video you want to view once to bring it to the front of the gallery.
- 4 Touch the video a second time to open it fully.

Watching your videos on your TV

Connect your KU990 to your TV using the TV output cable. Open the video you'd like to watch on TV, press  and select .

Note: The TV output cable is available for purchase separately.

 **WARNING:** All formats except 320x240 and 176x144 are compatible with watching on TV.

01

02

03

04

05


06

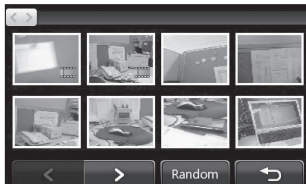
07


08

Your photos and videos

Viewing your photos and videos

- 1 From the standby screen, move the camera mode switch to  and press the capture button.
- 2 Your gallery will appear on screen.



- 3 Touch the video or photo you want to view once to bring it to the front of the gallery.
- 4 Touch it a second time to open it fully.
- 5 Videos will begin to play automatically. To pause playback touch the screen to bring up the options and select .

TIP! Change the way your photos and videos are displayed in the gallery by touching **Standard** or **Random** at the bottom of the screen.

TIP! To delete a photo or video, open it and select . Touch **Yes** to confirm.




Using zoom when viewing a video or photo

To zoom in press  repeatedly. To zoom out press . Use the thumbnail in the bottom right corner to move the focus area.

Adjusting the volume when viewing a video

To adjust the volume of the audio on a video whilst it is playing, slide the marker up and down the volume bar on the left side of the screen. Alternatively, use the jog wheel around the lens.

Capturing an image from a video

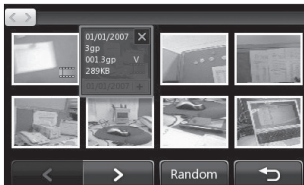
- 1 Select the video you would like to capture an image from.
- 2 Touch  to pause the video on the frame you'd like to convert to an image and touch the right side of the screen to open the options menu.
- 3 From the options menu select .
- 4 Select **Save**.
- 5 The image will appear on screen, with its assigned image name.
- 6 Touch the image then  to return to the gallery.
- 7 The image will be saved in the My stuff folder and appear in the gallery. You need to exit gallery and then re-open for this to appear.

WARNING: Some functions would not work properly if the multimedia file is not recorded on the phone.

Viewing the details of a video or photo

Videos and photos are grouped together in the gallery. If you have trouble telling which are photos and which are videos, check the details. For example, videos may be AVI or 3GP file types and photos may be JPEG or GIF file types.

- 1 Touch the video still or photo to bring it to the front of the gallery screen.
- 2 Touch the **+** icon in the bottom right corner of the video still or photo.
- 3 The video still or photo will flip over to reveal its name, the date it was taken, its size (in kilobytes and pixels) and whether it's an image or a video (e.g. AVI or JPEG).



- 4 Touch **X** to close the details and view the video still or photo.

Sending a photo or video from the gallery

- 1 Touch a photo or video twice to open it. If you select a video, press **||** when it starts to play.

TIP! You can rename a photo or video in **My stuff**. Select the photo or video, then touch **≡** and choose **Rename**. Enter the new name for your photo or video.

- 2 Touch the right side of the screen to open the options menu.
- 3 Select **✉** and choose how you would like to send the video or photo: **Message, Email, Bluetooth**.
- 4 The chosen messaging application will open so you can send the video or photo.

Note: The photo or 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, in which case choose one of the other sending options.

01

02

03

04

05

06


07

08

Your photos and videos


Viewing your photos as a slide show


Slideshow mode will show all the photos in your gallery one at a time as a slideshow. Videos can not be viewed as a slideshow.

- 1 Touch the photo you would like to begin the slideshow twice to open it.
- 2 Touch the right side of the screen to open the options menu.
- 3 Select .
- 4 The slideshow will begin.





There are five options within slideshow:

 Touch to increase or decrease the speed of the slideshow.


 Touch here to view the photos in a random order (i.e. not the chronological order they appear in your gallery).

 Touch to skip to the next photo.

 Touch to return to the last photo shown.

 Touch to pause the slideshow on a particular photo. Touch again to resume playback.

Setting a photo as wallpaper


- 1 Touch the photo you would like to set as wallpaper twice to open it.
- 2 Touch the right side of the screen to open the options menu.
- 3 Touch .
- 4 The screen will switch to portrait mode. Select the portion of the photo you would like to set as wallpaper by moving the green box on the thumbnail. This area will appear in actual size on screen.
- 5 When you are happy with the section touch **Set**.

Viewing your videos on a TV

See page 47 for more information.


Editing your photos



There are loads of great things you can do to your photos to change them, add to them or liven them up a little.

- 1 Open the photo you'd like to edit and touch to bring up the options.
- 2 Select . The following screen will be displayed.






- 3 Touch the icons to adapt your photo:


 Crop your photo. Choose a square or circular crop area and move your finger across the screen to select the area.

 Draw something on your photo freehand. Select the thickness of the line from the four options. To change the colour of the line see  below (the colour icon will change to the colour you have selected) below.

T See **Adding text to a photo** on page 52.

 Decorate your photo with stamps. Choose from the different stamps available and touch your photo wherever you'd like them to be. To change the colour of a stamp see  below.

 Change the colour of a stamp, line or some text. You must select the colour before you draw, write or stamp the photo.

 Select the thickness and draw over your image to remove any stamps, lines or text.

Save Save the changes you have made to the photos. Select to save the changes over the **Original file**, or as a **New file**. If you select **New file** enter a file name.

Undo Undo the last **Effect** or **More** edit you made to the photo.

Effect See **Adding an effect to a photo** on page 52.

More Touch to open further effect options including **Rotate** and **Mirror**. There are also more advanced editing options. See **Morphing a photo, Adding a colour accent and Swapping the colours in a photo** on page 53.

 Touch to return to the gallery.

Your photos and videos

Adding text to a photo

- 1 From the editing screen, touch **T**.
- 2 Select **Signature** to add unframed text or choose either of the speech bubble shapes.
- 3 Enter your text using the keypad and touch **Done**.
- 4 Move the text by touching it and sliding it to the place you'd like it to be.

Adding an effect to a photo

- 1 From the editing screen, touch **Effect**.
- 2 Choose to apply any of the six options to the photo:
 - Soften** - Move the marker along the bar to soften the focus of the photo. Select **Done** to save the changes or choose **Cancel**.
 - Sharpen** - Move the marker along the bar to sharpen the focus of the photo. Select **Done** to save the changes or choose **Cancel**.
 - Mosaic blur** - Touch to apply a blurred mosaic effect to the photo. Touch **Undo** to return to the normal photo.
 - Frame** - Add a frame to your photo. You may be prompted to allow the image size to be changed. To see the frame types select **Yes**. The chosen frame will be superimposed over your photo.

Resize - Touch here for size options. Touch your desired size to change the size of the photo.

Colour effect - Change the colour of a photo to **Black and white**, **Sepia**, **Colour negative**, **Enhanced RGB** or **Contrast**. If you select **Contrast** move the marker along the bar to increase or decrease the contrast.

- 3 To undo an effect simply touch **Undo**.

TIP! You can add more than one effect to a photo, except for a colour effect of which you can only select one at a time.

Morphing a photo

Morphing a photo is great for changing the facial expressions of friends, or just for distorting a photo for artistic effect.

- 1 From the editing screen touch **More**.
- 2 Choose **Morphing** and four crosses will appear on the photo.
- 3 Move the crosses around the photo so they are on the part you'd like to morph. For example, if you are morphing a face, place a cross on the outside corner of each eye and one each side of the lips.



- 4 Select a face to represent how you'd like to morph the photo.
- 5 Select **Save** to save the changes.

Adding a colour accent to a photo

- 1 From the editing screen, touch **More**.
- 2 Choose **Colour accent**.
- 3 Select part of the photo. A traced line will

appear around everything in that area which is of the same or similar colour. For example, someone's hair or the colour of their jumper.

- 4 Touch **Done**.
- 5 All colour will be removed from the photo, apart from the section marked for colour accenting.
- 6 Alter the intensity of the accenting by sliding the marker up or down the intensity bar.
- 7 Select **Save** to save the changes.

Swapping the colours in a photo

- 1 From the editing screen, touch **More**.
- 2 Choose **Colour swapping**.
- 3 Select part of the photo. A traced line will appear around everything in that area which is of the same or similar colour. For example, someone's hair or the colour of their jumper.
- 4 Touch  and select a colour.
- 5 Press **Done**.
- 6 The part of the photo selected for colour accenting will change to the selected colour swapping.
- 7 Select **Save** to save the changes.

01

02

03

04

05

06

07






08

Your photos and videos


Editing your videos

The editing features are available for all video types except 640x384 and 640x480. Don't record in these formats if you plan to edit your video.



Trimming the length of your video

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Trim**.
- 3 Touch  and mark the new start and end points using  and .





- 4 Touch **Preview** to ensure you are happy with the new cut.
- 5 Touch **Save** or, alternatively, touch  to return to the gallery and discard the changes.

Merging two videos together

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Video merge**.
- 3 The My videos folder will open. Choose the video you would like to merge and touch **Select**.
- 4 Touch **Effect** to choose how the videos merge together: **None**, **Fade out**, **Pan zoom**, **Oval**, **Uncover**, **Blind**, **Checker board** or **Dissolve**.
- 5 Press **Save** followed by **Yes** to save the new merged video. Choose to save over the original file or as a new file.
- 6 Repeat these steps to merge more videos.





Merging a photo with a video

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Image merge**.
- 3 The My images folder will open. Choose the photo you would like to merge into your video and touch **Select**.
- 4 Touch and slide the photo to merge it to the end or the beginning of the video.
- 5 Touch **Effect** to choose how the photo and video merge together: **None**, **Fade**


out, Pan zoom, Oval, Uncover, Blind, Checker board or Dissolve.

- 6 Press **Save** followed by **Yes**. Choose to save over the original file or as a new file.
- 7 Repeat these steps to merge more photos.

Adding text to a video

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Text overlay**.
- 3 Enter your text using the keypad and select **Done**.
- 4 Touch  and mark when you'd like the text to appear using .
- 5 Touch the area of the screen you'd like the text to appear in.



- 6 Touch  to mark when you'd like the text to disappear.
- 7 Touch **Preview** to ensure you are happy with the text overlay.

- 8 Touch **Save** followed by **Yes**. Choose to save over the original file or as a new file.
- 9 Repeat these steps to add more text.

Overlaying a photo

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Image overlay**.
- 3 The My images folder will open. Choose the photo you would like to overlay your video and touch **Select**.
- 4 Touch  and mark when you'd like the photo to appear using  and .
- 5 Touch the area of the screen you'd like the photo to appear in. If the photo is too big it will overlay the whole screen, not just the area selected.
- 6 Touch  to mark when you'd like the photo to disappear.
- 7 Touch **Preview** to ensure you are happy with the photo overlay.
- 8 Touch **Save** followed by **Yes**. Choose to save over the original file or as a new file.
- 9 Repeat these steps to add more photos.

01

02

03

04

05




06

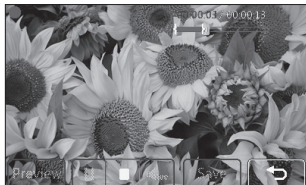
07


08

Your photos and videos



Adding a voice recording

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Voice recording**.
- 3 The quality of the original audio will be affected by adding a voice recording, touch **Yes** to continue.
- 4 Touch  to view your video. When you get to the part you'd like to record your voice over, press  **Rec.**





- 5 Press  to stop recording and playback.
- 6 Touch **Preview** to ensure you are happy with the voice recording.
- 7 Touch **Save** followed by **Yes** to save. Choose to save over the original file or as a new file.
- 8 Repeat these steps to add more voice recordings to the video.



Adding a soundtrack to your video

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Audio dubbing**.
- 3 The My sounds folder will open. Choose the track you would like to add to your video and touch **Select**.
- 4 The original audio of your video will be erased. Touch **Yes** to continue.
- 5 If the audio is shorter than the video choose whether to play **Once** or to **Repeat** it.
- 6 Choose to save over the original file or as a new file.

Changing the speed of your video

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Time scaling**.
- 3 Select one of the four speed options: **x4, x2, x1/4, x1/2**.
- 4 Choose to save over the original file or as a new file.

Adding a dimming effect

- 1 Open the video you'd like to edit, select  and touch the screen to bring up the options.
- 2 Select  and choose **Dimming effect**.
- 3 Choose to save over the original file or as a new file.
- 4 Your video will now fade in at the start and fade out at the end.

01

02

03

04

05

06

07


08

Multimedia

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.

To access the Multimedia menu, touch  then . Touch **My stuff** to open a list of folders storing all of your multimedia files.

My images

My images contains a list of pictures including default images pre-loaded onto your phone, images downloaded by you and images taken on your phone's camera. Touch  to change the view from thumbnail image to list.

My images option menus

The options which are available to you in **My 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, but only the **Use as**, **Print**, **Sort by** and **Memory manager** options are available for default images.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

Send - Send the image to a friend.

Use as - Set the image to appear at certain times.

Mark/Unmark - Select multiple files.

Move - Move an image from the phone memory to a memory card or vice versa.

Copy - Copy an image from the phone memory to a memory card or vice versa.

Delete - Delete an image.

Rename - Rename an image.

Create new folder - Create a new folder within the My images folder.




Slide show - Start a slide show.

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

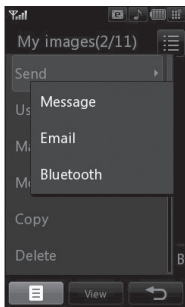
Sort by - Sort images into a specific order.

Memory manager - View the memory status.

Sending a photo

- 1 Touch  then .
- 2 Touch **My stuff** then choose **My images**.
- 3 Select a photo and touch .
- 4 Touch **Send** and choose from **Message**, **Email** or **Bluetooth**.

- 5 If you choose **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.



Using an image

You can choose images to use as wallpapers and screensavers or even to identify a caller.

- 1 Touch then .
- 2 Touch **My stuff** then **My images**.
- 3 Select an image and touch .
- 4 Touch **Use as** and choose from:

Home screen - Set a wallpaper for the standby screen.

Outgoing call - Set an image to appear during outgoing calls.

Start-up - Set an image to appear when you switch the phone on.

Shut down - Set an image to appear when you switch the phone off.

Contacts image - Allocate an image to a particular person in your contacts list so that the picture shows when they call you.

Organising your images

- 1 Touch then .
- 2 Touch **My stuff** then **My images**.
- 3 Touch then Sort by.
- 4 Choose from **Date**, **Type** or **Name**.

Note: As well as sorting your images by category, you can also manually sort them by using the **Move** option.

Deleting an image

- 1 Touch then .
- 2 Touch **My stuff** then **My images**.
- 3 Select an image and touch .
- 4 Touch **Delete** then **Yes** to confirm.

TIP! To quickly delete any file in My stuff, touch it once so it is highlighted by the cursor and press the **c** hard key. Confirm by touching **Yes**.

01

02

03

04

05

06

07

08

Multimedia





Moving or copying an image

You can move or copy an image between the phone memory and the memory card. You might want to do this to either free up some space in one of the memory banks or to safeguard your images from being lost.

- 1 Touch  then .
- 2 Touch **My stuff** then **My images**.
- 3 Select an image and touch .
- 4 Select **Move** or **Copy**.





Marking and unmarking images

If you want to move, copy, send or delete several images at once, you first need to identify them by marking them with a tick.

- 1 Touch  then .
- 2 Touch **My stuff** then **My images**.
- 3 Touch  then **Mark/Unmark**.
- 4 A box will appear to the left of each image. Touch the image and a tick will appear in the box marking it.
- 5 To unmark an image, touch the image again so that the tick disappears from the box.
- 6 Once you have marked all of the appropriate boxes, press  and choose one of the options.

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  then .
- 2 Touch **My stuff** then **My images**.
- 3 Touch  then **Slide show**.
- 4 Use the  and  to skip through the images or touch  to show your images in a random order.



Checking your memory status

You can check to see how much of your memory space you have used and how much you have left to use.



- 1 Touch  then .
- 2 Touch **My stuff** then **My images**.
- 3 Touch  then **Memory manager**.
- 4 Choose **Handset memory** or **External memory**.

Note: If you do not have a memory card inserted, you will not be able to select **External memory**.

My sounds

The **My sounds** folder contains the **Default sounds** and **Voice recordings**. From here you can manage, send or set sounds as ringtones.

Using a sound

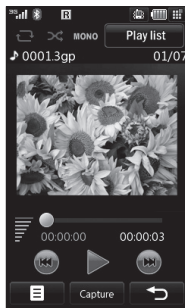
- 1 Touch  then .
- 2 Touch **My stuff** then **My sounds**.
- 3 Select **Default sounds** or **Voice recordings**.
- 4 Select a sound and touch **Play** to listen to it.
- 5 Touch  and select **Use as**.
- 6 Choose from **Voice ringtone**, **Video ringtone**, **Message tone**, **Start-up**, **Shut down**.

My videos

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

Watching a video


- 1 Touch  then .
- 2 Touch **My stuff** then **My videos**.
- 3 Select a video and touch **Play**.



TIP! To quickly delete any file in My stuff, touch it once so it is highlighted by the cursor and press the **c** hard key. Confirm by touching **Yes**.

Multimedia

Using options while video is paused

Touch  while in pause mode and choose from:

Capture - Capture the frozen frame as a picture.

File info. - View the Name, Size, Date, Time, Type, Duration, Dimension, Protection and Copyright details.

Send - Send the video in a message or via Bluetooth.

Delete - Delete the video.

Use as - Use the video as a ringtone.

Video editor - Edit the video clip.

Editing a video clip

While your video is being played and is in pause mode you can choose from a number of options to edit the video clip.

TIP! You can not edit the video clip used as a ringtone.


- 1 Select a video and touch **Play**.
- 2 Touch  then .
- 3 Touch **Video editor** and choose from:
 - Trim** - Cut the video down to only the part you want.
 - Video merge** - Merge the video with another video clip.
 - Image merge** - Merge the video with an image from your Images folder.

Text overlay - Add text to the video.


Image overlay - Add an image to the video.

See page 54 for more details on **editing your videos**.

Sending a video clip

- 1 Select a video and touch .
- 2 Touch **Send** and choose from **Message**, **Email** or **Bluetooth**.
- 3 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.

Using a video clip as a ringtone

- 1 Select a video and touch .
- 2 Touch **Use as** and choose from **Voice ringtone** or **Video ringtone**.

Using the video options menu

From the **My videos** folder, you can choose from the following options:

Use as - Set a video as your ringtone.

Send - Send a video to a friend.

Move - Move a video clip from the phone memory to a memory card or vice versa.

Copy - Copy a video clip from the phone memory to a memory card or vice versa.

Delete - Delete a video.

Rename - Rename a video.

Mark/Unmark - Select multiple files.

Create new folder - Create a new folder within the My videos folder.

Sort by - Sort videos into a specific order.

Memory manager - View the memory status.

My games and apps

You can download new games and applications to your phone to help keep you amused when you have time to spare.

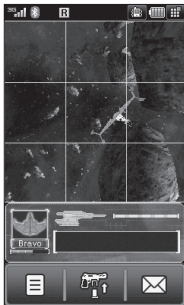
Downloading a game

- 1 Touch  then .
- 2 Touch **Games & Apps** then **My games & apps**.
- 3 Select **Download games** and touch **Connect**.
- 4 You will connect to the web portal from where you can find a game to download.

TIP! To quickly delete any file in My stuff, touch it once so it is highlighted by the cursor and press the **c** hard key. Confirm by touching **Yes**.

Playing a game

- 1 Touch  then .
- 2 Touch **My stuff** then **My games & apps**.
- 3 Select a game and touch **Launch**.



Using the games options menu

From the My games & apps folder, the following options are available:

Create new folder – Create a folder within **My games & apps**.

Sort by - Sort the games and applications by **Date**, **Size** or **Name**.

Memory manager - View the memory status.

01

02

03

04

05

06

07

08

Multimedia


Flash contents

The Flash contents folder contains all of your default and downloaded SWF files.

Viewing an SWF file

- 1 Touch  then .
- 2 Touch **My stuff** then **Flash contents**.
- 3 Select the file and touch **View**.


Using options viewing the SWF file

Touch  while in pause mode and choose from:

Play/Pause - Pause or resume playback.

Send - Send the file as a message or via Bluetooth.

Go to list - Return to your list of SWF files.

Full screen view - View your SWF in full screen mode (this only appears if you touch  without pausing).

Mute - Switch the sound off.

File info. - View the Name, Size, Date, Time, Type and Protection of the file.

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.

Transferring a file to your phone

Bluetooth is probably the easiest way to transfer a file from your computer to your phone. You can also use LG PC Suite via your sync cable, see page 76 for details.

To transfer 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 should appear in your **Documents** or **Others** folder.




Viewing a file

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

Others

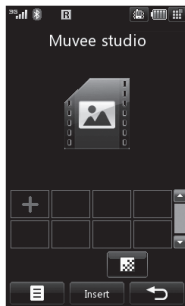
The **Others** folder is used to store files which are not pictures, sounds, videos, games or applications. It is used in the same way as the **Documents** folder. You may find that when you transfer files from your computer to your phone that they appear in the **Others** folder rather than the **Documents** folder. If this happens you can move them.

To Move a file from Others to Documents:

- 1 Touch  then .
- 2 Touch **My stuff** then **Others**.
- 3 Select a file and touch .
- 4 Touch **Move**, then touch **Move** again.

Muvee studio

The Muvee studio allows you to create an image slide show combined with music.



01

02

03

04

05

06

07



08

Multimedia

Creating a movie

- 1 Touch  then .
- 2 Touch **Muvee studio**.
- 3 Touch  to add an image. Touch the images you want to include then select **Done**.
- 4 Touch  to choose a Muvee style. Select from:
 - classic**
 - forever**
 - Moody**
 - moden**
 - musical**
- 5 Touch **Play** to see what you've created.
- 6 Touch  then **Save Location** to choose where to save the movie.

Music

Your LG KU990 has built-in music player so you can play all your favourite tracks. To access the music player, touch  then  then **Music**. From here you can access to number of folders:

Recently played - View all of the songs you have played recently.

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

Playlists - Contains any playlists you have created.

Artists - Browse through your music collection by artist.

Albums - Browse through your music collection by album.

Genres - Browse through your music collection by genre.







Shuffle tracks - Listen to your music in a random order.


Transferring music onto your phone

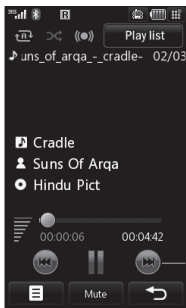
The easiest way to transfer music onto your phone is via Bluetooth or your sync cable. You can also use LG PC Suite, see page 76 for details. To transfer using Bluetooth:

- 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 **Music > All tracks**.

Playing a song

- 1 Touch  then .
- 2 Touch **Music**, then **All tracks**.
- 3 Select the song you want to play and touch **Play**.
- 4 Touch  to pause the song.
- 5 Touch  to skip to the next song.
- 6 Touch  to skip to the previous song.
- 7 Touch  to stop the music and return to the **Music** menu.

TIP! To change the volume while listening to music, touch .



Using options while playing music

Touch  and choose from:

Minimize - Make the music player screen disappear so that you can continue using your phone as normal.

Visualisation - Select the visual effects.

File info. - View the Name, Size, Date, Time, Type, Duration, Protection and Copyright of the song.



Send - Send the song as a message or via Bluetooth.

Delete - Delete the song.

Use as - Use the song as one of your ringtones.

Creating a playlist

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

- 1 Touch  then .
- 2 Touch **Music**, then **Playlists**.
- 3 Touch **Add**, enter the playlist name and touch **Save**.
- 4 The All tracks folder will show. Touch all of the songs that you would like to include in your playlist; a tick will show next to their name.
- 5 Touch **Done**.

01

02

03

04

05

06

07

08

Multimedia

To play a playlist, select it and touch **Play**.

Note: To add a second playlist, touch  then **Add new playlist**.

Editing a playlist

From time to time, you may want to add new songs or delete songs from a playlist. When you want to do this, you can edit the playlist.

- 1 Touch  then .
- 2 Touch **Music**, then **Playlists**.
- 3 Select the playlist.
- 4 Touch  and select:

Add new songs – To add more songs to the playlist. Mark the ones you want and touch **Done**.

Move up/down – Move the song up or down the list to change the playing order.



Send – Send a song as a message or via Bluetooth.

Remove from list – Remove a song from the playlist. Touch **Yes** to confirm.

Mark/Unmark – Select multiple files.

Use as – You can set the song as a effect sound.

Deleting a playlist



- 1 Touch  then .
- 2 Touch **Music**, then **Playlists**.
- 3 Touch  then **Delete** or **Delete all** to delete all of the playlists.

Video playlists

All of your videos are stored in the **Video playlists** menu.

- 1 Touch  then .
- 2 Touch **Video playlists**, then **All videos**.
A list of all your video clips will appear.
- 3 Touch **Play** to watch a video.


You can manage your video clips by creating playlists.

- 1 Touch  then .
- 2 Touch **Video playlists**, then **Playlists**.
- 3 Touch **Add**, enter the playlist name and touch **Save**.
- 4 All of your videos will show in a list.
Select the ones you want in the playlist; a tick will appear next to their name.
- 5 Touch **Done**.

Voice recorder

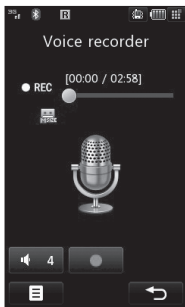
Use your **voice recorder** to record voice memos or other sounds.

- 1 Touch  then .


- Touch **Voice recorder** then  and choose from:
Duration – Set the recording duration. Choose from **MMS message size**, **1 minute** or **No limit**.
Quality – Select the sound quality. Choose from Super Fine, Fine or Normal.
Go to my sounds – Open the Voice recordings folder in **My sounds**.


Recording a sound or voice

- Touch  then .
- Touch **Voice recorder**.
- Touch  to begin recording.
- Touch  to end recording.
- Touch  to listen to your recording.



Sending the voice recording

- Once you have finished recording, touch .
- Touch **Send** and choose from **Message**, **Email** or **Bluetooth**. 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.

Note: After you have finished recording, touch  and choose **Send**, **Rename**, **Delete**, **Use as** (to use the recording as your ringtone) or **Go to my sounds**.

Using the radio

Your LG KU990 has an FM radio feature so you can tune into your favourite stations to listen to on the move.

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

01

02

03

04

05

06

07




08

Multimedia




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  then .
- 2 Touch **FM radio** then .
- 3 Touch **Auto scan** then **Yes**. The stations found will automatically be allocated to a channel number in your phone.




To manually tune:

- 1 Touch  then .
- 2 Touch **FM radio** then .
- 3 Touch **Manual tuning** and enter the station frequency.
- 4 Touch **OK**, then **Save**.
- 5 Select the channel number you want to save the station to and touch **OK**.





Note: You can also manually tune into a station by using  and  displayed next to the radio frequency.

Editing the channels

You may want to move the stations to another channel so that the ones you listen to most frequently are easier to access.

- 1 Touch  then .
- 2 Touch **FM radio** then .
- 3 Touch **Edit channel** and select the channel you want to change.
- 4 Either select a station from one of the other channels, or manually tune the channel into the frequency you want.
- 5 Touch **Save**.

Resetting channels

- 1 Touch  then .
- 2 Touch **FM radio** then .
- 3 Touch **Edit channel** then .
- 4 Choose **Reset** to reset the current channel or choose **Reset all** to reset all of the channels. Each channel will return to the starting 87.5Mhz frequency.

Listening to the radio

- 1 Touch  then .
- 2 Touch **FM radio** then touch the channel number of the station you would like to listen to.

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

01

02

03

04

05

06


07

08



Organiser

Adding an event to your calendar



- 1 From the standby screen select , then touch  and choose **Organiser**. Select **Calendar**.
- 2 Select the date you would like to add an event to.
- 3 Touch  then **Add new event**.
- 4 Select whether you would like to add an **Appointment**, **Anniversary** or **Birthday** and touch **OK**.
- 5 Check the date and enter time you would like your event to begin.
- 7 For appointments and anniversaries enter the time and date your event finishes in the lower two time and date boxes.
- 8 If you would like to add a subject or a note to your event, touch **Subject** or **Name** and type in your note, followed by **OK**.
- 9 Select **Save** and your event will be saved in the calendar. A square cursor will mark the day that any events have been saved to and a bell will ring at the start time of your event, so that you can stay organised.


Tip! You can set a holiday period in your calendar. Touch each day you are on holiday one at a time, then touch  and select **Holiday**. Each day will be shaded red. When you come to set an alarm, you can choose to exclude days set as holiday.

Changing your default calendar view




- 1 From the standby screen select , then touch  and choose **Organiser**. Select **Settings**.
- 2 Touch **Calendar** and choose either **Month view** or **Week view**.
- 3 Press **OK** to confirm your choice.

Adding an item to your to do list

- 1 From the standby screen select , then touch  and choose **Organiser**.
- 2 Select **To do** and touch **Add**.
- 3 Set the date for the to do item, add notes and select a priority level: **High**, **Medium** or **Low**.
- 6 Save your to do list item by selecting **Save**.

Tip! You can edit a item by selecting it, and touching . Now select Edit. Confirm your amends by selecting Save.



Sharing a to do item

- 1 From the standby screen select , then touch  and choose **Organiser**. Select **To do**.
- 2 Select the to do item you would like to share, then touch .
- 3 Select **Send**. You can choose to share your to do item by **Text message**, **Multimedia msg.**, **Email** or **Bluetooth**.

Tip! You can back up and synchronise your calendar with your computer. See **PC Sync** on page 76.

Using date finder

Date finder is a handy tool to help you calculate what the date will be after a certain amount of days has passed. For example, 60 days from 10.10.07 will be 09.12.2007. This is great for keeping tabs on deadlines.

- 1 From the standby screen select , then touch  and choose **Organiser**.
- 2 Select **Date finder**.
- 3 In the **From** tab set your required date.
- 4 In the **After** tab set the number of days.
- 5 The **Target date** will be shown below.




Organiser

Setting your alarm

- 1 From the standby screen select , then  and choose **Alarms**.
- 2 Select  and touch **Add new**.
- 3 Set the time you would like the alarm to sound and touch **Set**.
- 4 Choose whether you would like your alarm to sound **Once, Daily, Mon - Fri, Mon - Sat, Sat - Sun** or **Except holiday**. Press **OK**.
- 5 Select  to select a sound for your alarm. To listen to sounds touch the sound, followed by **Play**. After you have made your selection, touch **Select**.
- 6 Add a memo for the alarm. Touch **OK** when you have finished typing the memo. When the alarm sounds the memo will be displayed.
- 7 Finally you can set the snooze interval at **5, 10, 20, 30** minutes, **1** hour or **off**. Press **OK** to confirm your choice.
- 8 Once you have set your alarm, touch **Save**.




Note: You can set up to 5 alarms.

Adding a memo




- 1 From the standby screen select , then touch  and choose **Memo**.
- 2 If there are no existing memos, select **Add** or if you have already added some memos, select  followed by **Add new**.
- 3 Type your memo, followed by **Save**.
- 4 Your memo will appear on screen next time you open the **Memo** application.


Tip! You can edit an existing memo. Select the one you want to edit and touch **Edit**.

Using your calculator



- 1 From the standby screen select , then touch  and choose **Tools**.
- 2 Select **Calculator**.
- 3 Touch the numeric keys to input numbers.
- 4 For simple calculations, touch the function you require (+, -, *, /), followed by =.
- 5 For more complex calculations, touch  and choose from **sin, cos, tan, log, ln, exp, sqrt, deg** or **rad**.

Adding a city to your world clock

- 1 From the standby screen select , then touch  and choose **Tools**.
- 2 Select **World clock**.
- 3 Touch the  icon, followed by **Add city**. Start typing the name of the city you require and it will show at the top of the screen. Alternately touch **Map**, and select your chosen city from the map.
- 4 Touch **Select** to confirm your choice.

Tip! If you are abroad you can change your time zone from World Clock by touching , followed by **Change time zone**. Choose your required time zone as above, and touch **Select**.

Converting a unit

- 1 From the standby screen select , then touch  and choose **Tools**.
- 2 Select **Converter**.
- 3 Choose whether you would like to convert **Currency, Surface, Length, Weight, Temperature, Volume** or **Velocity**.
- 4 You can now select the unit, and enter the value you would like to convert from, followed by the unit you would like to convert to.
- 5 The corresponding value will appear on the screen.

01

02

03

04

05

06



07

08

PC Sync

You can synchronise your PC with your phone to make sure all your important details and dates match, but also as a backup to put your mind at ease.

Installing LG PC Suite on your computer

- 1 From the standby screen select , then touch  and choose **Phone settings**.
- 2 Select **Connectivity**, then **USB connection mode**.
- 3 Select **Data Service** and touch **OK**.
- 4 Insert the supplied CD into your PC. **LG PC Suite Installer** will appear on your screen. Click on **LG PC Suite Installer**.
- 5 Select the language you would like the installer to run in and click **OK**.
- 6 Follow the instructions on screen to complete the LG PC Suite Installer wizard.
- 7 Once installation is complete, the LG PC Suite icon will appear on your desktop.

Connecting your phone and PC

- 1 Connect the USB cable to your phone and your PC.
- 2 Double click on the **LG PC Suite Icon** on your desktop.
- 3 Click on **Connection Wizard**, then **USB**.
- 4 Click on **Next**, then **Next** again, then **Finish**.
Your phone and PC are now connected.

Backing up and restoring your phone's information

- 1 Connect your phone to your PC as outlined above.
- 2 Click on the **Backup** icon, and select **Backup** or **Restore**.
- 3 Mark the contents you would like to back up or restore. Select the location you would like to backup information to, or restore information from. Click **OK**.
- 4 Your information will be backed up.

Viewing your phone files on your PC

- 1 Connect your phone to your PC as outlined above.
- 2 Click on the **Contents** icon.
- 3 All of the documents, flash contents, images, sounds and videos you have saved onto your phone will be displayed on the screen in the LG Phone folder.

Tip! Viewing the contents of your phone on your PC helps you to arrange files, organise documents and remove contents you no longer need.

Synchronising your contacts

- 1 Connect your phone to your PC.
- 2 Click on the **Contacts** icon.
- 3 Select **Transfer**, then **Import from mobile handset**. Your PC will now import and display all contacts saved to your USIM card and handset.
- 4 Click on **File** and select **Save**. You can now select where you would like to save your contacts to.

Note: To backup contacts saved to your USIM card, click on the SIM card folder on the left side of your PC screen. Select **Edit** at the top of the screen, then **Select all**. Right-click your contacts and select **Copy to contact**. Now click on the **Handset** folder on the left of your screen and all your numbers will be displayed.

01

02

03

04

05

06

07

08



PC Sync

Synchronising your messages

- 1 Connect your phone to your PC.
- 2 Click on the **Messages** icon.
- 3 All of your PC and phone messages will be displayed in folders on your screen.
- 4 Use the tool bar at the top of your screen to edit and rearrange messages.

Using your phone as a mass storage device

Your phone can only be used as a mass storage device if you have a memory card inserted.

- 1 Disconnect your phone from your PC.
- 2 From the standby screen select , then touch  and choose **Phone settings**.
- 3 Select **Connectivity**, then **USB connection mode**.
- 4 Select **Mass storage** and touch **OK**.
- 5 Connect your phone to your PC. Your phone will read: **Connecting as Mass Storage**... followed by **Connected as Mass Storage Mode. Do not disconnect during transfer**.
- 6 All of your phone files will automatically be stored onto your PC hard drive.

Note: Your phone must be unplugged from your PC to initiate Mass Storage.

Note: Mass storage backs up content saved on your memory card only, not your handset memory. To transfer the content of your handset memory (e.g. contacts) you'll need to synchronise using PC Sync.

DivX Converter

Install the DivX converter which is supplied on the same CD as the PC Sync software.

Once installed select DivX from the Program Files on your PC, then DivX converter followed by Converter.

This will open the Converter application. Use the arrows in the application to change the conversion format to Mobile. If you do a right click on the application box and select Preferences, you can change the location of where the converted files are saved.



Once you are ready to convert your files, simply drag and drop the files into the application, for initial analysis. Following this, you will need to select Convert for the process to begin. When the process is finished a Conversion complete pop up will be displayed.

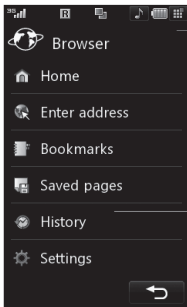
The converted file can now be transferred to your phone, using the Mass Storage functionality (see page 78 for details) or Upload via contents using the PC Sync software (see page 76 for details).

The web

With browser at the tip of your fingers, you can get the up to date news and weather forecast 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 From the standby screen select , then touch  and choose **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.

Adding and accessing your bookmarks

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




- 1 From the standby screen select , then touch  and choose **Browser**.
- 2 Select **Bookmarks**. A list of your Bookmarks will appear on the screen.
- 3 To add a new bookmark, select  and touch **Add new**. 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 **Open**. You will be connected to your bookmark.

Saving a page



- 1 Access your required webpage as described above.
- 2 Touch  and select **Save this page**.
- 3 Enter a name for the webpage so you can easily recognise it.
- 4 Touch **Save**.

TIP! This menu will also allow you to edit titles of saved pages, protect or unprotect the screen memo, and delete saved pages.



Accessing a saved page

- 1 From the standby screen select , then touch  and choose **Browser**.
- 2 Select **Saved pages**.
- 3 Select the required page and touch , followed by **Open**.

Viewing your browser history

- 1 From the standby screen select , then touch  and choose **Browser**. Select **History**.
- 2 A list of web page titles you have accessed recently will be displayed. To access one of these pages, simply select the required page and touch **Connect**.

Changing the web browser settings

- 1 From the standby screen select , then touch  and choose **Browser**. Select **Settings**.
- 2 You can choose to edit **Profiles, Character encoding, Cache, Cookies, Java script, security**, or to reset all settings, select **Reset Settings**.
- 3 Once you have changed your settings, select **OK**.

The web

Using your phone as a modem

Your KU990 can double as a modem for your PC, giving you email and internet access even when you can't connect using wires. You can use either the USB cable or Bluetooth.

Using the USB cable:

- 1 Ensure you have the LG PC Suite installed on your PC.
- 2 Connect your KU990 and your PC using the USB cable and launch the LG PC Suite software.
- 3 Click **Communication** on your PC. Then click **Settings** and select **Modem**.
- 4 Choose **LG Mobile USB Modem** and select **OK**. It will now appear on screen.
- 5 Click **Connect** and your PC will connect through your KU990.

Note: For more information on synchronising using the LG PC Suite see page 76.

Using Bluetooth:

- 1 Ensure Bluetooth is switched **On** and **Visible** for both your PC and KU990.
- 2 Pair your PC and KU990 so that a passcode is required for connection.
- 3 Use the **Connection wizard** on your LG PC Suite to create an active Bluetooth connection.
- 4 Click **Communication** on your PC. Then click **Setting**.
- 5 Click **Modem**.
- 6 Choose **Standard Modem over Bluetooth link** and click **OK**. It will now appear on screen.
- 7 Click **Connect** and your PC will connect through your KU990.

Note: For more information on Bluetooth see page 86.

01

02

03

04

05

06

07



08

Settings

Within this folder you can adapt your settings to make your KU990 personal to you.

Note: For information on call settings see page 22.

Changing your screen settings

- 1 Touch  then choose .
- 2 Touch **Screen settings** and then choose from:
 - Main screen theme** - Choose the theme for your standby screen or outgoing call.
 - Clock and Calendar** - Choose what is visible on your standby screen.
 - Brightness** - Adjust the screen's brightness.
 - Backlight** - Choose how long the backlight remains on for.

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

Handset theme - Quickly change the whole look of your screen.




Font - Adjust the font colour.

- 3 Touch **Save** to save your settings.

Personalising your profiles

You can quickly change your profile on the standby screen. Simply touch the currently active profile icon in the top right corner.



Using the settings menu you can personalise each profile setting.

- 1 Press  and then choose .
- 2 Touch **Profiles** and then choose the profile you want to edit. You cannot edit the **Silent** and **Vibrate only** profiles.
- 3 Touch  and choose **Edit**.
- 4 You can then change all of the sounds and alert options available in the list, including your **Ring tone** and **Volume, Message alerts, Screen sound** settings and more.

Changing your phone settings

Enjoy the freedom of adapting your KU990 works so that it works in a way which suits you best.

TIP! To scroll through a list of option, touch the last item visible and slide your finger up the screen. The list will move up so more items are visible.

- 1 Touch  then choose .
- 2 Touch **Phone settings** then choose from the list below.
 - Date and time** - Adjust your date and time settings or choose to auto update the time when you travel or for daylight saving.
 - Power save** - Choose to switch the factory set power saving settings **On** or **Off**.
 - Languages** - Change the language of your KU990's display.
 - Security** - Adjust your security settings, including PIN codes, handset lock and auto key lock.
 - Connectivity** - See **Changing your connectivity settings** on the next page for more information.
 - Memory manager** - See **Using memory manager** on page 86 for more information
 - Touchpad calibration** - Reset your screen for ease of use.
 - Reset settings** - Reset all the settings to

their factory definitions.

Handset information - View the technical information for your KU990.

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.

Touch  then . Touch **Phone settings** and select **Connectivity**.

Network settings - Your KU990 connects automatically to your preferred network. To change these settings use this menu.

Access point - Your network operator has already saved this information. You can add new access points using this menu.

USB connection mode - Choose Data service and synchronise your KU990 using the LG PC Suite software to copy files from your phone. See page 76 for more information on synchronisation.

Synch service - See page 76 for more information on synchronisation.

Streaming settings - Your network operator has already saved this information. You may edit it if you'd like to make changes.

TV out - Choose **PAL** or **NTSC** for connecting your KU990 to a TV.

Note: The TV output cable is available for purchase separately.

01

02

03

04

05

06

07

08

Settings

Using memory manager

Your KU990 has three memories available: the phone, the USIM Card and an external memory card (you may need to purchase the memory card separately).

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

Touch  followed by . Select **Phone settings** then **Memory Manager**.

Handset common memory - View the memory available on your ku990 for Pictures, Sounds, Video, Flash, MMS, Email, Java applications and others.

Handset reserved memory - View the memory available on your handset for SMS, Contacts, Calendar, To do list, Memo, Alarm, Call history, Bookmarks and Miscellaneous items.



USIM memory - View the memory available on your USIM Card.

External memory - View the memory available on your external memory card (you may need to purchase the memory card separately).

Primary storage settings - Choose the location you prefer items to be saved to.

Tip! See page 12 for information on inserting a memory card.


Using flight mode

Turn on flight mode by selecting , then . Touch **Flight mode** and select **On**. Flight mode will not allow you to make calls, connect to the Internet, send messages or use Bluetooth.

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.

To send a file:


- 1 Open the file you want to send, typically this will be a photo, video or music file.
- 2 Touch  and choose **Send**. Choose **Bluetooth**.
- 3 Touch **Yes** to turn Bluetooth on.
- 4 Your KU990 will automatically search for other Bluetooth enabled devices within range.
- 5 Choose the device you want to send the file to and touch **Select**.
- 6 Your file will be sent.

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

To receive a file:

- 1 To receive files your Bluetooth must be both **On** and **Visible**. See change your Bluetooth settings below for more information.
- 2 A message will prompt you to accept the file from the sender. Touch **Yes** to receive the file.
- 3 You will see where the file has been saved and you can choose to **View** the file or **Use as wallpaper**. Files will usually be saved to the relevant folder in My Stuff.

Changing your bluebooth settings:

- 1 Touch  and choose **Settings**.
- 2 Choose **Bluetooth** then **Settings**.
Make your changes to:
My device visibility - Choose to be **Visible** or **Hidden**.
My device name - Enter a name for your KU990.
Supported services - Choose how to use Bluetooth in association with different services. See **Using your phone as a modem** on page 82 or **Using a Bluetooth headset** on page 88.
My address - Change your Bluetooth address.

Pairing with another Bluetooth device

By pairing your KU990 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 **Settings** menu.
- 2 Touch **Paired Devices** then **New**.
- 3 Your KU990 will search for devices. When the search is completed **Refresh** and **Add** will appear on screen.
- 4 Choose the device you want to pair with and enter the passcode then touch **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.

01

02

03

04

05

06

07

08

Settings

Using a Bluetooth headset

- 1 Check your Bluetooth is **On** and **Visible**.
- 2 Follow the instructions that came with your headset to place your headset in pairing mode and pair your devices.
- 3 Touch **Yes to Connect now**. Your KU990 will automatically switch to Headset profile.

TIP! See page 22 for details on **BT answer mode** so that you can control how you answer calls when your Bluetooth headset is connected.

01

02

03

04

05

06

07

08

Accessories

These accessories were supplied with KU990.

Charger



Stereo headset



Battery

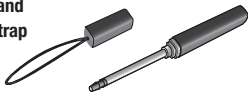


Data cable and CD

Connect and synchronise your KU990 and PC.



Stylus and carry strap



User Guide

Learn more about your KU990.



01

02

03

04

05

06

07

08

Network service

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

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 : KU990

System : GSM 900 / DCS 1800 /
PCS 1900 / W-CDMA

Ambient Temperatures

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

Min : -10°C

Declaration of Conformity



LG Electronics

Suppliers Details

Name

LG Electronics Inc

Address

LG Electronics Inc. LG Twin Towers 20,
Yeouido-dong, Yeongdeungpo-gu, Seoul, Korea 150-721

Product Details

Product Name

GSM 900 / DCS 1800 / PCS 1900 / W-CDMA Terminal Equipment

Model Name

KU990 / U990

Trade Name

LG

CE 0168

Applicable Standards Details

R&TTE Directive 1999/5/EC

ETSI EN 301 489-01 V1 6.1, ETSI EN 301 489-07 V1 3.1
ETSI EN 301 489-17 V1 3.1, ETSI EN 301 489-24 V1 3.1
ETSI TS 151 010-1 V5.9.0 specified by ETSI EN 301 511 V9.0.2
ETSI TS 134 121 V5.5.0 specified by ETSI EN 301 908-1 V2.2.1 ETSI EN 301 908-2 V2.2.1,
ETSI EN 300 328 V1 6.1

EN 50360/EN 50361:2001
EN 60950-1 : 2001

Supplementary Information

Declaration

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

Name

Jin Seog, Kim / Director

Issued Date

06. Aug. 2007

LG Electronics Inc. Amsterdam Office
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Tel : +31 - 36- 547 - 8940, e-mail : seokim @ lge.com


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

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 KU990 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

Guidelines for safe and efficient Use

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 2W/kg averaged over ten (10) gram of tissue.
- The highest SAR value for this model phone tested by DASY4 for use at the ear is 0.826 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 0.631 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.
- 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.

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Guidelines for safe and efficient Use

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.
- 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.

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.

Guidelines for safe and efficient Use

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.
- 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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