



@ !D- - \$ \ B`A Ubi U

- Some of contents of this manual may not apply to your phone depending on your phone's software or your service provider.
- This handset is not recommended for the visually impaired because of its touch-screen keypad.
- Copyright ©2011 LG Electronics, Inc. All rights reserved. LG and the LG logo are registered trademarks of LG Group and its related entities. All other trademarks are the property of their respective owners.
- Google™, Google Maps™, Gmail™, YouTube™, Google Talk™ and Android Market™ are trademarks of Google, Inc.

This device is not intended for sale in the USA.

## **Part 15.21 statement**

" Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment. "

## **Part 15.105 statement**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **FCC Part 15 Class B Compliance**

This device and its accessories comply with part 15 of FCC rules and ICES-003 Class B digital apparatus requirements for Industry Canada. Operation is subject to the following two conditions:(1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that may cause undesired operation.

### **Body-worn Operation**

This device was tested for typical body-worn operations with the back of the phone kept 2.0cm (0.79 inches) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 2.0cm (0.79 inches) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 2.0cm (0.79 inches) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

## **Conformité aux normes FCC Part 15 Class B**

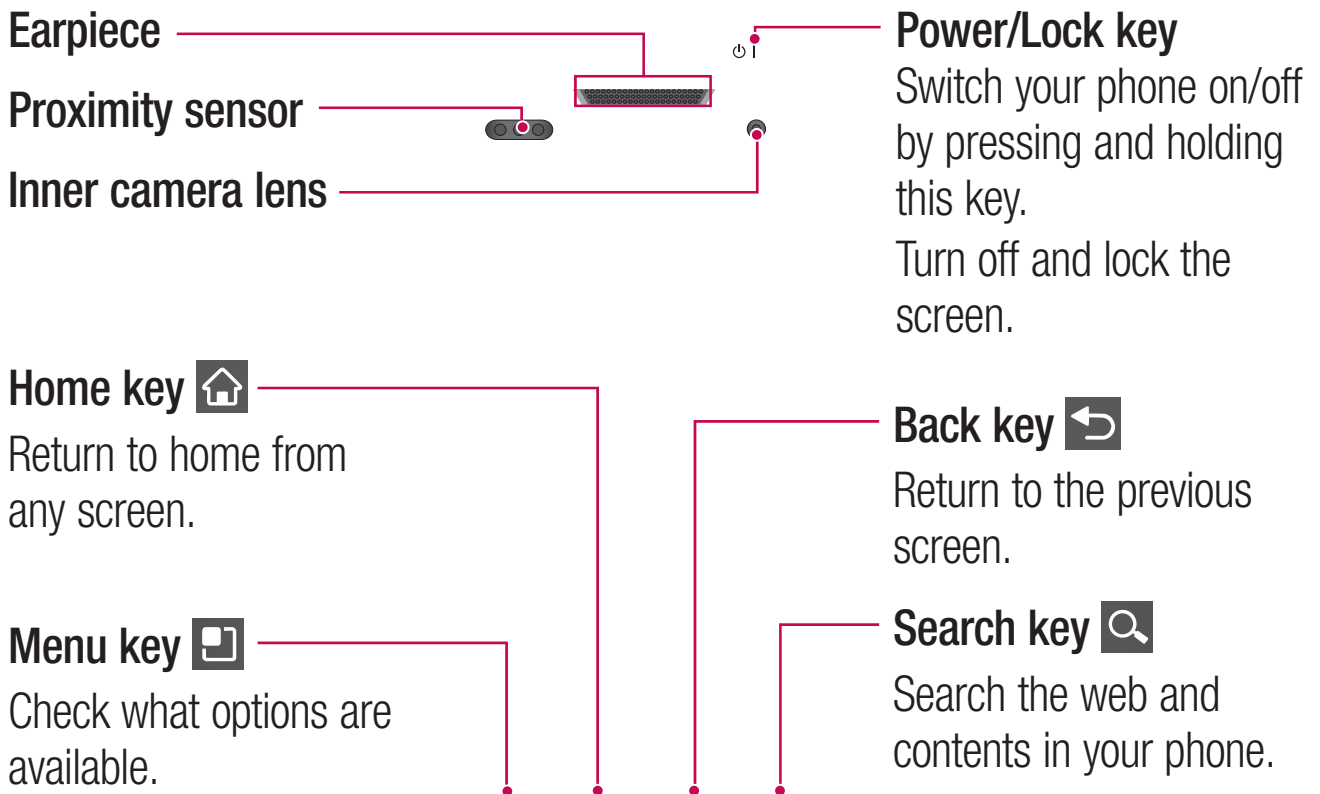
Cet appareil et ses accessoires sont conformes aux normes FCC Part 15 Class B de la Federal Communications Commission et aux exigences pour appareils numériques ICES-003 Class B d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes : (1) Cet appareil et ses accessoires ne doivent pas provoquer de brouillage préjudiciable, et (2) cet appareil et ses accessoires doivent accepter toutes les interférences reçues, y compris celles pouvant causer un fonctionnement indésirable.

### **Utilisation comme appareil portatif**

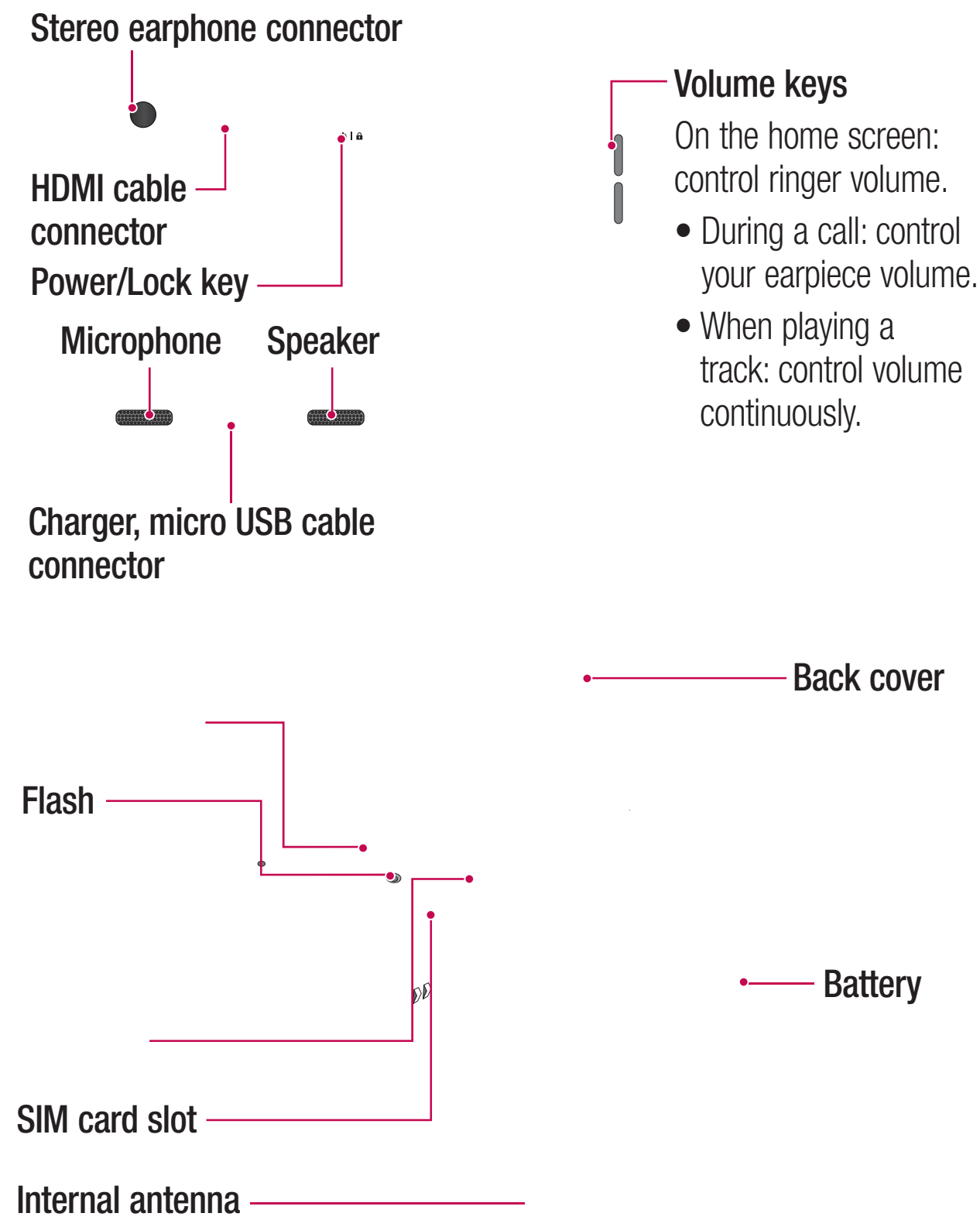
Ce téléphone a été testé en vue d'une utilisation type comme appareil portatif, avec une distance de 2.0cm (0,79 pouces) entre l'arrière de l'appareil et le corps de l'utilisateur. Pour satisfaire aux exigences de la FCC en matière d'exposition aux radiofréquences, une distance d'au moins 2.0cm (0,79 pouces) doit être maintenue entre le corps de l'utilisateur et l'arrière du téléphone. Les pinces de ceinture, les étuis et autres accessoires semblables d'autres marques et contenant des composantes métalliques ne doivent pas être utilisés. Les accessoires portatifs empêchant le maintien d'une distance de 2.0cm (0,79 pouces) entre le corps de l'utilisateur et l'arrière du téléphone et qui n'ont pas été testés en vue d'une utilisation type comme accessoires portatifs peuvent ne pas satisfaire aux limites d'exposition aux radiofréquences stipulées par la FCC et, par conséquent, ne doivent pas être utilisés.

# Getting to know your phone

To turn on the phone, press and hold the **Power** key for three seconds. To turn off the phone, press and hold the **Power** key for three seconds and touch **Power off**.



# Getting to know your phone



## Installing the SIM card and battery

Before you can start exploring your new phone, you'll need to set it up. To insert the SIM card and battery:


- 1** To remove the back cover, hold the phone firmly in your hand. With your other hand, firmly press your thumb on the back cover. Lift off the battery cover with your forefinger.
- 2** Slide the SIM card into the SIM card holder. Make sure the gold contact area on the card is facing downwards.

# Getting to know your phone

## Formatting the memory card

Your memory card may already be formatted. If it isn't, you must format it before you can use it.

**NOTE:** All files on your memory card are deleted when you format it.

- 1 On the home screen, touch the **Applications** tab  to open the applications menu.
- 2 Scroll and touch **Settings**.
- 3 Scroll and touch **SD card & phone storage**.
- 4 Touch **Unmount External SD card**.
- 5 Touch **Format External SD card**, then confirm your choice.
- 6 If you set the pattern lock, input the pattern lock and select **Erase Everything**. The card will then be formatted and ready to use.

**NOTE:** If there is content on your memory card, the folder structure may be different after formatting, as all the files will have been deleted.

### TIP!

If your memory card is already unmounted, you can use the following steps to format it. Touch **Applications > Settings > SD card & phone storage > Format External SD card**

### WARNING

To remove the memory card safely, please select **Applications > Settings > SD card & phone storage > Unmount External SD card**.

# Your Home screen

## Touch-screen tips

Here are some tips on how to navigate around your phone.

**Touch** - To choose a menu/option or open an application, touch it.

**Touch and hold** - To open an options menu or grab an object you want to move, touch and hold it.

**Drag** - To scroll through a list or move slowly, drag across the touch screen.

**Flick** - To scroll through a list or move quickly, flick across the touch screen (drag quickly and release).

### NOTE:

- To select an item, touch the centre of the icon.
- Do not press too hard; the touch screen is sensitive enough to pick up a light, firm touch.

- Use the tip of your finger to touch the option you want. Be careful not to touch any other keys.

## Lock your phone

When you are not using LG-P990h, press the **Power** key to lock your phone. This helps to prevent accidental touching of the keys and saves battery power.

If you do not use the phone for a while the home screen or other screen you are viewing is replaced by the lock screen to conserve the battery.

**NOTE:** If there are any programs running when you set the pattern, they may be still running in lock mode. It is recommended that you exit all programs before entering lock mode to avoid unnecessary charges. (e.g. phone call, web access and data communications)

# Your Home screen

## Unlock screen

To turn on your phone, press the **Power** key. The lock screen will appear. Touch and slide up the lock screen to unlock your home screen. The last screen you were working on will open.

## Home

Simply swipe your finger to the left or right to view them.

You can also customise each panel with widgets, LG widgets, shortcuts to your favourite applications, folders and wallpapers.

**NOTE:** Some screen images may be different depending on your phone provider.

In your home screen, you can view quick keys on the bottom of the screen. The quick keys provide easy, one-touch access to the functions you use the most.



Touch the **Phone** icon to bring up the touch-dialling pad to make a call.



Touch the **Contacts** icon to open your contacts.



Touch the **Message** icon to access the messaging menu. Here, you can create a new message.



Touch the **Applications** tab at the bottom of the screen. You can then view all your installed applications. Just touch to scroll through your applications.

To open the desired application, simply touch the icon in the applications list.

**NOTE:** Preloaded applications may be different depending on your phone's software or your service provider.

## Setting the number of home screens

Touch the **Menu** key from the home screen and select **Home settings**. Select the desired number of home screens and press **OK**.

## Adding widgets to your home screen

You can customise your home screen by adding shortcuts, widgets, or folders to it. For more convenience when using your phone, add your favourite widgets to the home screen.


### To add a desired icon to your home screen:

- 1 On the home screen, touch the **Menu** key and select **Add**. Or long touch the empty part of the home screen.
- 2 On the **Add to Home screen** menu, touch the type of item you want to add.

- 3 For example, select **Folders** from the list and tap it. Select **Contacts with phone numbers** from the list and tap it.
- 4 You will see a new folder's icon on the home screen. Drag it to the desired location on the desired panel and release your finger from the screen.

**TIP!** To add an application icon to the home screen on the **Applications** menu, touch and hold the application you want to add.

### To remove an application icon from the home screen:

- 1 Touch and hold the icon you want to remove.
- 2 Drag and drop an application icon to the bin icon .

# Your Home screen

**NOTE:** You cannot delete the preloaded applications. (Only their icons can be deleted from the screen.)

## Getting back to a recently used application

- 1 Touch and hold the **Home** key. The screen will show you a pop up with icons of applications that you have used recently.
- 2 Touch an icon to open its application. Or touch the **Back** key to return to the current application.

## Home preview function

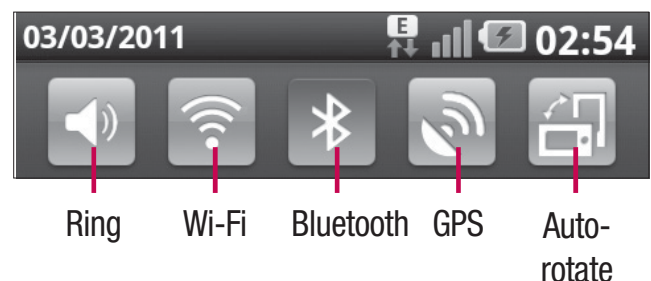
You can move to the home preview screen by placing two fingers on the home screen and bringing them closer together. You can move back to the home screen by placing two fingers on home preview screen and spreading them farther apart.

## Capturing the screen

If you touch and hold the **Home** key and press **Power/Lock** key at the same time, the current image on the screen is captured with a camera shutter sound effect. You can find the captured image in the Gallery. (Note that you cannot capture an image from a video.)

## Notification drawer

The notification drawer runs across the top of your screen.



Touch and slide the notification drawer down with your finger.



Or on the home screen touch the **Menu** key and select **Notifications**. Here you can check and manage sound, Wi-Fi, Bluetooth, GPS and Auto-rotate status as well as other notifications.

## Viewing the status bar

The status bar uses different icons to display phone information, such as signal strength, new messages, battery life, and active Bluetooth and data connections.















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













[Status bar]

Icon	Description
	No SIM card
	No signal
	Airplane mode
	Connected to a Wi-Fi network
	Wired headset
	Call in progress
	Call hold
	Speakerphone
	Phone microphone is muted
	Missed call

# Your Home screen

Icon	Description
	Bluetooth is on
	Connected to a Bluetooth device
	System warning
	Alarm is set
	New voicemail
	Ringer is silenced
	Vibrate mode
	Battery fully charged
	Battery is charging
	Data in and out
	Phone is connected to PC via USB cable
	Downloading data
	Uploading data
	GPS is acquiring


Icon	Description
	Receiving location data from GPS
	On-Screen Phone connected
	3 more notifications not displayed
	Data is syncing
	Download finished
	New Gmail
	New Google Talk message
	New message
	Song is playing
	Upcoming event
	FM radio turned on in the background
	USB tethering is active



Icon	Description
	Portable Wi-Fi hotspot is active
	Both USB tethering and portable hotspot are active

## Onscreen keyboard

You can enter text using the onscreen keyboard. The onscreen keyboard appears automatically on the screen when you need to enter text. To manually display the keyboard, simply touch a text field where you want to enter text.

### Using the keypad & entering text

 Tap once to capitalise the next letter you type. Double-tap for all caps.

  Tap to switch to the numeric and symbol keyboard. You can also touch and hold this tab to view the settings menu.

 Tap to view or long press to change the writing language.

 Tap to insert the emoticon you prefer which writing a message.

 Tap to enter a space.

 Tap to create a new line in the message field.

 Tap to delete the previous character.

 Tap to hide the onscreen keyboard.

## Entering accented letters





When you select French or Spanish as the text entry language, you can enter special French or Spanish characters (e.g. "á").


For example, to input "á", touch and hold the "a" key until the zoom-in key grows bigger and displays all the other characters of different languages for the alphabet.

And now you can select the special character you want.

# Calls/Contacts



## Making a voice call

- 1 Touch  to open the keypad.
- 2 Enter the number on the keypad. To delete a digit, touch **Clear** icon .
- 3 Touch **Call** icon  to make a call.
- 4 To end a call, touch **End** icon .

**TIP!** To enter “+” to make international calls, touch and hold down .

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

## Making a video call


- 1 Touch  to open the keypad.
- 2 Enter the phone number, as before.
- 3 Touch **Video call** icon  to make a video call.

- 4 If you do not want to use the speaker phone, touch **Speaker** icon and ensure you have the headset plugged in.
- 5 While the video call is connecting, you will see your own image; after the other party has answered, their image will be displayed on the screen. Adjust the inner camera position if necessary.
- 6 To end a video call, touch **End** icon.

### NOTE:

- If you set **Use private image** in the **Video call settings**, the person on the video call sees the image you set, not a live image.
- You can show your image through either the front or rear camera.
- The quality of the video call (image and sound) may vary depending on the base station.

## Calling your contacts

- 1 Touch  to open your contacts.
- 2 Scroll through the contact list or enter the first letter(s) of the contact you want to call by touching **Search**.
- 3 In the list, touch the contact you want to call.

## Answering and rejecting a call

### When screen locked:

When your phone rings, drag **Accept** icon  to the right.

Drag **Reject** icon  to the left reject an incoming call.

### When screen is unlocked:

When your phone rings, touch **Accept** icon . Touch **Reject** icon  to reject an incoming call.




### TIP! Excuse messages

When you reject a call, you can send a message quickly by touching **Send SMS**. This is useful if you need to reply the message during a meeting.

## Adjusting call volume

To adjust the in-call volume during a call, use volume up & down key on the right side of the phone.

## Making a second call

- 1 During your initial call, touch **Add call** .
- 2 Dial the number or search your contacts to select the number you want to call.
- 3 Touch **Call** icon  to connect the call.
- 4 Both calls will be displayed on the call screen. Your initial call will be locked and put on hold.
- 5 Touch **Swap**  to toggle between calls.

# Calls/Contacts

**NOTE:** You can touch **Merge calls**



to make a conference call.

**6** To end active calls, touch **End** icon

## Viewing your call logs

On the home screen, touch and choose **Call log** tab.

View a complete list of all dialled, received and missed calls.

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

**TIP!** Touch the **Menu** key, then touch **Delete all** to delete all the recorded items.

## Call settings

You can configure phone call settings, such as call forwarding, and other special features offered by your carrier.

**1** On the home screen, touch the **Applications** tab to open the applications menu.

**2** Scroll and touch **Settings**.

**3** Tap **Call settings** and choose options that you want to adjust.

< **Fixed Dialling Numbers** >

Select **Fixed Dialling Numbers** to turn on and compile a list of numbers that can be called from your phone. You'll need your PIN 2 code, which is available from your operator. Only numbers within the fixed dial list can be called from your phone.

< **Voicemail** >

**Voicemail service** – Allows you to select your carrier's voicemail service.

**Voicemail settings** – If you are using your carrier's voicemail service, this option allows you to enter the phone number to use for listening to and managing your voicemail.

## < Other call settings >

**Call forwarding** – Choose whether to divert all calls, when the line is busy, when there is no answer and when you are out of reach.

**Additional settings** – This lets you change the following settings:

- **Caller ID:** Choose whether to display your number on an outgoing call.
- **Call waiting:** If call waiting is activated, the handset will notify you of an incoming call while you are on the phone (depending on your network provider).

- **Select line**

**Call barring** – Select when you would like calls to be barred. Enter the call barring password. Please check with your network operator about this service.

**Call costs** – View the charges applied to your calls. (This service is network dependent; some operators do not support this function.)

**Call duration** – View the duration of all calls including all, dialled calls, received calls and last call.

**Excuse messages** – When you want to reject a call, you can send a message quickly by using this function. This is useful if you need to reply the message during a meeting.


**Video call settings** – Change your video call settings.

## Contacts




You can add contacts on your phone and synchronise them with the contacts in your Google account or other accounts that support syncing contacts.

# Calls/Contacts

## Searching for a contact

- 1 On the home screen, touch  to open your contacts.
- 2 Touch **Search** and enter the contact name using the keypad.


## Adding a new contact

- 1 On the home screen, touch  and enter the new contact's number. Then touch the Menu key and touch Add to contacts and then touch Create new contact.
- 2 If you want to add a picture to the new contact, touch . Choose from **Take a picture** or **Pick from gallery**.
- 3 Select the contact type by touching .
- 4 Touch a text field to open the touch keyboard and enter a new contact's name.
- 5 Touch different category of contact information and enter the details about your contact.
- 6 Touch **Save** to save the contact.

## Favourite contacts

You can classify frequently called contacts as favourites.

### To add a contact to your favourites:

- 1 On the home screen, touch  to open your contacts.
- 2 Touch a contact to view their details.
- 3 Touch the star to the right of the contact's name. The star turns gold.
- 4 The favorites contact will be saved under groups as Favorites

### To remove a contact from your favourites list:


- 1 On the home screen, touch  to open your contacts.
- 2 Touch **Groups** tab and select **Favorites**. Touch a contact to view their details.
- 3 Touch the gold star to the right of the contact's name. The star turns grey and the contact is removed from your favourites.


# Messaging/E-mail

## Messaging

Your LG-P990h combines SMS and MMS into one intuitive, easy-to-use menu.

## Sending a message

- 1 Touch  icon on the home screen, and touch **New message** to open a blank message.
  - 2 Enter a contact name or call number in the **To** field. As you enter the contact name, matching contacts appear. You can touch a suggested recipient. You can add multiple contacts.
- NOTE:** You will be charged for a text message for every person you send the message to.
- 3 Touch **Type to compose** below to start entering your message.
  - 4 Touch **Send** to send your message.

**TIP!** You can touch  icon to attach the file you want to share with your message.

- 5 Responses appear on the screen. As you view and send additional messages, a message thread is created.

### **WARNING**

The 160-character limit may vary from country to country depending on how the SMS is coded and the language.

### **WARNING**

If an image, video or audio file is added to an SMS message, it will be automatically converted into an MMS message and you will be charged accordingly.

- Select the **Email** shortcut icon on the home screen to move to the list of email accounts. Likewise, if you select the shortcut icon of an account on the home screen, you can move to the inbox of the corresponding account.

## The Accounts screen

The **Accounts** screen lists your **Combined inbox** and each of your email accounts.

- 1 Open the **Email** application. If you're not on the email account screen, touch the **Menu** key and touch **New**.
- 2 Select the email service provider.

You can touch an account to view its **Combined inbox**. The account from which you send email by default is indicated with a tick.

## To open your Combined inbox:

If you have configured email to send and receive email from more than one account, you can view all messages sent to all accounts in your **Combined inbox**.

- 1 Open the **Email** application.
- 2 Touch **Combined inbox** (in the **Accounts** screen). Messages in the **Combined inbox** are colour coded along their left sides, by account, using the same colours that are used for your accounts in the **Accounts** screen.

## Composing and sending email

### To compose and send a message:

- 1 While in the **Email** application, touch the **Menu** key and touch **Compose**.
- 2 Enter an address for the message's intended recipient.

# Messaging/E-mail

As you enter text, matching addresses are offered from your contacts. Separate multiple addresses with commas.


**3** Touch the **Menu** key and touch **Add CC/BCC** to be able to CC or BCC other contacts/email addresses.

**4** Enter the text of the message.

**5** Touch **Attach** to attach the file you want to share with your message.

**6** Touch **Send**.

If you're not ready to send the message, touch the **Menu** key and touch **Save as Draft** to save it in a **Drafts** folder.

Touch a draft message in a **Drafts** folder to resume working on it. Your message will also be saved as a draft if you touch the **Back** key  and tap on yes in save as

draft pop up before sending it. If you aren't connected to a network, for example, if you're working in airplane mode, the messages that you send are stored in your **Outbox** folder until you're connected to a network again. If it contains any pending messages, the **Outbox** is displayed on the **Email\_Accounts** screen.

Please note that messages sent using an Exchange account will not be located on the phone; they will, however, be located on the Exchange server itself.

If you want to see your sent messages in the **Sent** folder (or with the **Sent** label), you will often need to open the **Sent** folder/label and select **Refresh** from the options menu.

## Working with account folders

Each account has **Inbox**, **Outbox**, **Sent**, **Drafts**, **Trash** and **Junk** folders. Depending on the features supported by your account's service provider, you may have additional folders.

## Adding and editing email accounts

To add an email account:

- 1 Touch the **Menu** key and touch **New**.
- 2 Select **MS Exchange** or **Others**.
- 3 Enter a name for the account, confirm how you want your name to appear in outgoing mail, then touch **Done**.

To change account settings:

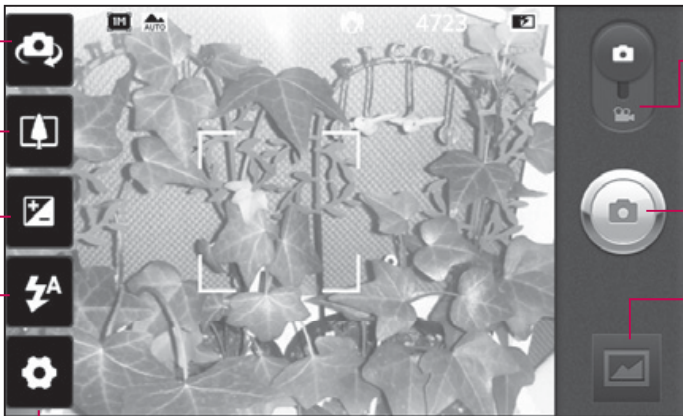
- 1 Open the **Email-Accounts** screen.
- 2 Touch the **Menu** key and touch **Settings**. Touch and hold the account which you want to change the settings of.

# Camera

## Getting to know the viewfinder

**Zoom** - Zoom in or zoom out. Alternatively you can use the side volume keys.

**Convert** - You can convert to the internal camera from the external one.



**Video mode** - Slide down this icon to switch to video mode.

**Taking a photo**

**Gallery** - Touch to view the last photo you captured. This enables you to access your gallery and view saved photos from within camera mode.

**Settings** - Touch this icon to open the settings menu. See Using the advanced settings.


**Flash** - Allows you to turn on the flash when taking a photo in a dark place.

**Brightness** - This defines and controls of the amount of sunlight entering the image. Slide the brightness indicator along the bar, towards “-” to lower the brightness of the image or towards “+” to increase it.

**TIP!** You can close all the shortcut options to give a clearer viewfinder screen. Just touch the centre of the viewfinder once. To recall the options, touch the screen again.

**NOTE:** In internal camera mode, you cannot enable the zoom or flash function.

## Taking a quick photo

- 1 Open the **Camera** application.
- 2 Holding the phone horizontally, point the lens towards the subject you want to photograph.
- 3 Touch the shutter icon .
- 4 The camera brings the image into focus. When the image is in focus, the focus indicators in each corner turn green and the camera takes a picture.

**Notice:** A shading issue may occur when you try to take a picture indoors due to the characteristics of camera. (The meaning of shading is a little colour-difference between centre and side.)

## Once you've taken the photo

Your captured photo will appear on the screen.

### Share

Touch to share your photo as **Bluetooth**, **Email**, **Facebook for LG**, **Gmail**, **Messaging**, **MySpace for LG**, **Picasa** or **Twitter for LG**.

**NOTE:** Additional charges may apply when MMS messages are uploaded and/or downloaded while roaming.

**TIP!** If you have a social networking site account and set it up on your phone, you can share your photos to your community.

### Set as

Touch to set the image as **Contact icon** or **Wallpaper**.

### Rename

Touch to edit the name of the selected picture.



Touch to delete the image.



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

# Camera



Touch to view last photo you captured.

## Using the advanced settings

In the viewfinder, touch  to open all advanced options.

You can change the camera settings by scrolling the list. After selecting the option, touch the **Back** key.

**Image size** – Touch to set the size (in pixels) of the picture you are taking. Select a pixel value from the options: 8M (3264x2448), 5M (2560x1920), 3M (2048x1536), 2M (1600x1200), 1M (1280x960), VGA (640x480), QVGA (320x240).

**NOTE:** Options for **Image size** may vary depending on the camera mode.

**Focus** – Touch this icon to select the options menu. See Using the focus mode.

**Scene mode** – Choose from **Auto**, **Portrait**, **Landscape**, **Sports**, **Sunset** and **Night**.

**ISO** – The ISO rating determines the sensitivity of the camera's light sensor. The higher the ISO, the more sensitive the camera will be. This is useful under darker conditions when you cannot use the flash. Select from ISO values of **Auto**, **800**, **400**, **200** and **100**.

**White balance** – Choose from **Auto**, **Incandescent**, **Sunny**, **Fluorescent**, and **Cloudy**.

**Color effect** – Choose a colour tone for your new photo.

### NOTE:

- Options for **Color effect** may vary depending on the camera mode.
- **Solarize** for **Color effect** is only supported in internal camera mode.
- **Blue**, **Emboss**, **Posterize**, and **Vivid** for **Color effect**

are supported only in external camera mode.

**Timer** – The self-timer allows you to set a delay after the shutter is pressed. Select off, 3 seconds, 5 seconds, or 10 seconds. This is ideal if you want to be included in a photo.

**Shot mode** – Select various shooting mode from the options. Choose from **Normal**, **Continuous shot**, **Out-focusing shot**, **Smile shot**, **Beauty shot**, **Art shot**, **Panorama shot** and **Stitch shot**.

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

**Stabilization** – Select **On** to compensate for unsteady hands.

**Auto review** – If you set **Auto review** to **On**, it will show you

the picture you have just taken automatically.

**Shutter sound** – Select one of the four shutter sounds.

**Tag location** – Activate to use your phone's location-based services. Take pictures wherever you are and tag them with the location. If you upload tagged pictures to a blog that supports geotagging, you can see the pictures displayed on a map.

**NOTE:** This function is available when GPS and GPRS is active or WPS is connected.

**Storage** – Choose whether to save your photos to the phone memory or to the external memory.



Restore all camera default settings.



Touch whenever you want to know how this function operates. This will provide you a quick guide.

# Camera

**TIP!** When you exit the camera, all settings will return to their defaults, except image size and image quality. Any nondefault settings must be reset, such as colour tone and ISO. Check these before you take your next photo.

## Using the focus mode

You can select the focus mode from the following options;

**Auto** – Set the camera to focus automatically.


**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.

**Face tracking** – If you set Face tracking and take a photo, your camera detects and focuses on human faces automatically.

**Manual** – Set the camera to focus manually.

## Viewing your saved photos

You can access your saved photos from within the camera mode.

Just touch  and your gallery will appear on the screen. Touch the photo on the screen and you will see **Slideshow** and **Menu**.



Touch to see slide show.



Touch **Menu** and select options you want. You can share the contents or delete a photo. Touch **More** for more options below.

**Detail** - Check information of contents.

**Set as** - Set as contact icon or wallpaper.

**Crop** - Crop your photo. Move your finger across the screen to select the area.

**Rotate** - Rotate left or right.

# Video camera

## Getting to know the viewfinder

**Zoom** - Zoom in or zoom out. Alternatively you can use the side volume keys.

**Convert** - You can convert to the internal camera from the external one.



**Camera mode** - Slide up this icon to switch to camera mode.

**Start recording**

**Gallery** - Touch to view the last video you recorded. This enables you to access your gallery and view your saved videos from within video mode.




**Settings** - Touch this icon to open the settings menu. See Using the advanced settings.

**Flash** - Allows you to turn on the flash when taking a photo in a dark place.

**Brightness** - This defines and controls of the amount of sunlight entering the video. Slide the brightness indicator along the bar, towards “-” to lower the brightness of the video or towards “+” to increase it.

# Video camera

## Shooting a quick video

- 1 Open the **Camera** application and slide the camera mode button down to the **Video** position. The shutter icon  will change to .
- 2 The video camera viewfinder will appear on the screen.
- 3 Holding the phone horizontally, point the lens towards the subject of the video.
- 4 Touch the start video icon .
- 5 Rec will appear at the bottom of the viewfinder with a timer showing the length of the video.
- 6 Touch the stop video icon  to stop recording.

## After shooting a video


A still image representing your video will appear on the screen.


**Play** Touch to play the video.


**Share** Touch to share your video as **Bluetooth**, **Email**, **Gmail**, **Messaging** or **YouTube**.

**NOTE:** Additional charges may apply when MMS messages are uploaded and/or downloaded while roaming.


**Rename** Touch to edit the name of the selected video.

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

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

 Touch to view the last video you recorded.

## Using the advanced settings

Using the viewfinder, touch  to open all the advanced options. Adjust the video camera settings by scrolling the wheel. After selecting the option, touch the **Back** key.

**Video size** – Touch to set the size (in pixels) of the video you record. Choose your video image size from Full HD (1920x1088), HD (1280x720), TV (720x480), VGA (640x480), QVGA (320x240) and QCIF (176x144).

**White balance** – The white balance ensures that white areas in your video are realistic. To enable your camera to adjust the white balance correctly, you may need to determine the light conditions. Choose from **Auto**, **Incandescent**, **Sunny**, **Fluorescent**, and **Cloudy**.

**Color effect** – Choose a colour tone to use for your new video.

**NOTE:** Options for **Color effect** may vary depending on the camera mode.

**Video quality** – Choose from **Super fine**, **Fine** and **Normal**.

**Duration** – Set a duration limit for your video. Choose between **Normal** and **MMS** to limit the maximum size to send as an MMS message.

**Voice** – Choose **Mute** to record a video without sound.

**Auto review** – If you set to **On**, it will automatically show you the video you have just recorded.

**Storage** – Choose whether to save your video clip to the phone memory or to the external memory.




Reset all the video camera settings.

# Video camera

- ① Touch whenever you want to know how this function operates. This will provide you a quick guide.

## Watching your saved videos

- 1 In the viewfinder, touch .
- 2 Your gallery will appear on the screen.
- 3 Touch a video once to bring it to the front of the gallery. It will start to play automatically.

## Adjusting the volume when viewing a video

To adjust the volume of a video while it is playing, use the volume keys on the right side of the phone.


# Multimedia

## Gallery

You can store any multimedia files on your phone's memory that will be displayed in your **Gallery** so that you have easy access to all of your pictures and videos. You can also save your files to your external memory card. The advantage of using a memory card is that you can free up space on your phone memory.

Touch **Applications** tab, then select **Gallery**.

## To change how the contents of an album are displayed

You can view the images and videos in your albums in a chronological grid or in stacks, sorted by the date and the location where they were taken. Use the Album View switch  at the top right of the screen to switch between grid and stack view.



Drag the Album View switch to the left to view the album contents in a chronological grid.



Drag the Album View switch to the right to view the contents of the album in stacks.

## Using Smart Share

SmartShare provides you a better way to enjoy multimedia contents with other DLNA(Digital Living Network Alliance) enabled devices.

\* Share your media contents to other DLNA devices (DMS)

- 1 On the home screen, touch the **Applications** tab and select **Settings**.
- 2 Select **Wireless & networks** and **SmartShare settings**
- 3 Touch the **SmartShare** checkbox to turn on.

# Multimedia

**4** You can change your device name, icon and select the sharing content types.

**\* Let your renderer device (e.g. TV) play multimedia contents from remote content library (e.g. PC)**

- 1** Touch the top right button to select the device from renderer lists.
- 2** Touch the top left button and select one of the remote content library.
- 3** You can browse the remote content library.
- 4** Long touch a content thumbnail and flick them to the top area by your finger or touch play button.

**Notice:** Check that your device is connected with your home network using Wi-Fi connection to use this application.

**Notice:** Some DLNA enabled device (e.g. TV) supports only DMP feature of DLNA will not appear in the renderer device lists.

## Music

Your LG-P990h has a built-in music player that lets you play all your favourite tracks. To access the music player, touch **Music**.

## Playing a song

- 1** On the home screen, touch the **Applications** tab and select **Music**.
- 2** Touch **Songs**.
- 3** Select the song you want to play.
- 4** Touch  to pause the song.
- 5** Touch  to skip to the next song.
- 6** Touch  to go back to the first part of the song. Touch  twice to go back to the previous song.

To change the volume while listening to music, touch the up and down volume keys on the right side of the phone.

Touch and hold any song in the list. It will display **Play**, **Add to playlist**, **Use as phone ringtone**, **Delete**, **Share**, **Search** and **File info** as options.

**NOTE:** Music file copyrights may be protected by international contracts and national copyright laws.

Therefore, it may be necessary to obtain permission or a licence to reproduce or copy music. In some countries, national laws prohibit private copying of copyrighted material. Before downloading or copying the file, please check the national laws of the relevant country concerning the use of such material.

## Using the radio

Your LG-P990h has a built-in FM radio so you can tune in to your favourite stations and listen it.

**NOTE:** You must attach your headphone to listen to the radio. Insert it into the headphone jack.

## Searching for stations

You can tune in to radio stations by searching for them manually or automatically. They will then be saved to specific channel numbers, so you don't have to keep re-tuning in.

- 1** On the home screen, touch the **Applications** tab and select **FM radio**.
- 2** Touch the **Scan FM radio Stations**.
- 3** If there are pre-set channels, you will see a pop-up with 'All channels will be reset. Continue?'. If you choose **OK**,


# Multimedia

all the pre-set channels will be deleted and auto scan will start.

- 4 During auto scanning, touch **Stop scanning** if you want to stop scanning. Only channels scanned before you stop will be saved.

**NOTE:** You can also manually tune in to a station using the displayed wheel.

## Listening to the radio

- 1 On the home screen, touch the **Applications** tab and select **FM radio**.
- 2 Touch the channel list of the station you want to listen to.
- 3 Touch  icon. You can listen to the radio via built-in speaker.

## Transferring files using USB mass storage devices

**To transfer files using USB devices:**

- 1 Connect the LG-P990h to a PC using a USB cable.
- 2 If you have not installed LG Android Platform Driver on your PC, you will need to change settings manually. Choose **Settings > SD card & phone storage > activate Mass storage only**.
- 3 Touch **Turn on USB storage**.
- 4 You can view the mass storage contents on your PC and transfer the files.

**NOTE:**

- If you installed LG Android Platform Driver, you will see pop up with '**Turn on USB storage**' immediately.

- After using USB mass storage function, if you want to synchronise your phone with your PC using the LG PC suite, you need to touch **Settings > SD card & phone storage**, then touch the tick to turn off **Mass storage only** mode.

## How to save music/video files to your phone

- 1 Connect your phone to the PC using the USB cable.
  - Touch and drag down the status bar on the home screen. Select **USB connected > Turn on USB storage > Open folder to view files**.
  - If you have not installed LG Android Platform Driver on your PC, you will need to set it manually. For more information, refer to 'Transferring files using USB mass storage devices'.
- 2 Save music or video files from your PC to the phone's removable storage.
  - You may copy or move files from your PC to the phone's removable storage using a card reader. Using Data cable (USB Mass storage ) also you can copy or move files from your PC.
  - If there is a video file with a subtitle file (.srt file with the same name as the video file), place them in the same folder to display the subtitle automatically when playing the video file.
  - When downloading music or video files, copyright must be secured. Please note that a corrupted file or file with a wrong extension may cause damage to your phone.

# Multimedia

## How to move contacts from your old phone to your current phone

**Export your contacts as a CSV file from your old phone to your PC using a PC sync program.**

- 1** Run the program and connect your Android mobile phone to the PC using a USB cable. Select the Contacts icon. Go to Menu > File > Import and select the CSV file saved in the PC. If the fields in the imported CSV file are different from the ones in PC Sync for Android, you need to map the fields.
- 2** After mapping the fields, click OK. Then, the contacts are added in PC Sync for Android, click "Sync" or "Sync contacts" to synchronise the contacts saved in the PC to your phone and save them.

## How to send data from your phone via Bluetooth

You can send data via Bluetooth by running a corresponding application, rather than from the Bluetooth menu as with normal mobile phones.

- **Sending pictures:** Run the **Gallery** application and select **Picture > Menu**. Click **Share** and select **Bluetooth > Check If Bluetooth is turned on** and select **Scan for devices >** Choose the device you want to send data from the list.
- **Exporting contacts:** Run the **Contacts** application. Touch the address you want to export to. Touch the **Menu** key and select **Share > Bluetooth > Check If Bluetooth is turned on** and select **Scan for devices >** Choose the device you want to send data from the list.

- **Sending multi-selected contacts:** Run the **Contacts** application. To select more than one contact touch the **Menu** key and touch **Share**. Select the contacts you want to send or Select all option from top > Select **Share** > **Bluetooth** > Enable the Bluetooth tick box and select **Scan for devices** > Choose the device you want to send data from the list.
- **Connecting to FTP (Only the FTP server is supported on this handset):** Go to **Settings** > **Wireless & networks** > **Bluetooth settings**. Then, select the **Discoverable** tick box and search for other devices. Find the service you want and connect to the FTP server.


**TIP!** The version is Bluetooth 2.1 EDR and certified by Bluetooth SIG. It is compatible with other Bluetooth SIG certified devices.

**NOTE:** If you want to search for this phone from other devices, go to **Settings** > **Wireless & networks** > **Bluetooth settings**. Then, select the **Discoverable** tick box. The tick box is cleared after 120 seconds.

**NOTE:** Supported profiles are SDAP, HFP, HSP, OPP, PBAP (server), FTP (server), A2DP, and AVRCP.

# Utilities

## Setting your alarm

- 1 On the home screen, touch the **Applications** tab and select **Alarm/Clock**.
- 2 If you want to add a new alarm, touch **Add alarm**.
- 3 Set the time and repeat, alarm tone. You can also touch  to set vibrate, weather info, and add a memo to name the alarm.
- 4 Touch **Save** to turn on the alarm.

**NOTE:** To change alarm settings on alarm list screen, touch the **Menu** key and select **Settings**. You can adjust the below options: **Alarm in silent mode, Side button behavior, Alarm volume, Set default ringtone** and **Weather info settings**.

## Using your calculator

- 1 On the home screen, touch the **Applications** tab and select **Calculator**.
- 2 Touch the number keys to enter numbers.
- 3 For simple calculations, touch the function you want (+, −, x, or ÷), followed by =.
- 4 For more complex calculations, touch **Menu** > touch Advanced panel, then choose sin, cos, tan, log, and so on.

## Adding an event to your calendar

- 1 On the home screen, touch the **Applications** tab and select **Calendar**.
- 2 To check the event, touch the date. Touch and hold if you want to add a new event. then touch **New event**.


# Utilities

- 3 Touch **What**, then enter the event name. Check the date and enter the time you want your event to begin and finish.
- 4 Also, touch **Where**, then enter the location.
- 5 If you would like to add a note to your event, touch **Description** and enter the details.
- 6 If you want to repeat the alarm, set **Repetition**, and set **Reminders**, if necessary.
- 7 Touch **Done** to save the event in the calendar.

## Voice recorder

Use the voice recorder to record voice memos or other audio files.

## Recording a sound or voice

- 1 On the home screen, touch the **Applications** tab and select **Voice Recorder**.
- 2 Touch  **Record** to begin recording.

- 3 Touch  **Stop** to end recording.
- 4 Touch  **Play** to listen to the recording.

**NOTE:** Touch **List** to access your album. You can listen to the saved recording.

## Sending the voice recording

- 1 Once you have finished recording, you can send the audio clip by touching **Share**
- 2 Choose from **Bluetooth**, **Email**, **Gmail** and **Messaging**. When you select **Email**, **Gmail** and **Messaging**, the voice recording will be added to the message that you write and send it normally.

# Settings

On the home screen, touch the **Applications** tab then scroll and touch **Settings**.

## Wireless & networks

Here you can manage Wi-Fi and Bluetooth. You can also set mobile networks, airplane mode.

**Airplane mode** – After setting Airplane mode, all wireless connections will be disabled.

**Wi-Fi** – Touch to tick: This turns on Wi-Fi to connect to available Wi-Fi networks.

**Wi-Fi settings** – Allows you to set up and manage wireless access points. Set network notification, or add a Wi-Fi network. The advanced Wi-Fi settings screen is accessed from the Wi-Fi settings screen. Touch the **Menu** key and touch **Advanced**.

## **TIP!** How to obtain the MAC address

To set up a connection in some wireless networks with MAC filters, you may need to enter the MAC address of your LG-P990h into the router.

You can find the MAC address in the following user interface: Touch **Application > Settings > Wireless & networks > Wi-Fi settings**, and touch the **Menu** key. Then select **Advanced > MAC Address**.

**Bluetooth** – Touch to tick: This turns on Bluetooth to connect to Bluetooth devices.

**Bluetooth settings** – Set device name & discoverable mode, scan for other devices. Or, check a list of Bluetooth devices that you've previously configured and those detected when the phone last scanned for Bluetooth devices.

**Tethering & portable hotspot** – You can configure the settings of USB tethering and portable Wi-Fi hotspot.

**VPN settings** – Displays the list of Virtual Private Networks (VPNs) that you've previously configured. Allows you to add different types of VPNs.

**Mobile network settings** – Set options for data roaming, network mode & operators, access point names (APNs), and so on.

**On-Screen Phone settings** – Allows you to change the On-

Screen Phone password (the default password is "0000").

On-Screen Phone allows you to view your mobile phone screen from a PC via a USB or Bluetooth connection. You can also control your mobile phone from your PC using the mouse or keyboard.

## Sound

### < General >

**Silent mode** – Allows you to silence all sounds (including call and notification ringtones) except the audio from music, videos, and any alarms you have set (You must silence media and alarms in their own applications).

**Vibrate** – Allows you to set your phone to vibrate when you receive an incoming call.

**Volume** – Allows you to set the volume for ringtones, media and alarms. If you uncheck the option

# Settings

to use incoming call volume for notifications, you can set both volumes for incoming call and notification separately.

## < Incoming calls >

**Phone ringtone** – Allows you to set your default incoming call ringtone.

## < Notifications >

**Notification ringtone** – Allows you to set your default notification ringtone.

## < Feedback >

**Audible touch tones** – Allows you to set the phone to play tones when using the dial keypad to dial numbers.

**Audible selection** – Allows you to set your phone to play a sound when you touch buttons, icons, and other onscreen items that react to your touch.

**Screen lock sounds** – Allows you

to set your phone to play a sound when locking and unlocking the screen.

**Haptic feedback** – Allows you to set your phone to vibrate briefly when you touch the **Menu** key, **Back** key, and perform other actions.

## Display

**Brightness** – Adjust the brightness of the screen.

**Auto-rotate screen** – Allows you to set the orientation to automatically switch to landscape mode or portrait mode when you turn the phone sideways or upright.

**Animation** – Allows you to set animated transitions when navigating from screen to screen.

**Screen timeout** – Allows you to adjust the delay time before the screen automatically turns off. For

the best battery performance, use the shortest convenient timeout.

**Display font** - Change the display font.

## Gesture

Adjust the gesture settings for home screen, incoming call, alarm, gallery, music, and video player.

## Location & security

### < My Location >

**Use wireless networks** – If you tick **Use wireless networks**, your phone will determine your approximate location by using Wi-Fi and mobile networks.

**Use GPS Satellites** – If you tick **Use GPS satellites**, your phone will be determine your location to street-level accuracy.

### < Screen unlock>

**Set up screen lock** – Set unlock pattern to secure your phone.

Opens a set of screens that guide you through drawing a screen unlock pattern. You can set **PIN** or **Password** instead of **Pattern** or leave it as **None**.

### **TIP!** To lock your screen by using the Pattern Lock

- 1** The first time you do this, a short tutorial about creating an unlock pattern appears.
- 2** You are prompted to draw and redraw your own pattern.  
The next time you turn on your phone or wake up the screen. You will be prompted to draw your unlock pattern to unlock the screen.

### < SIM card lock >

**Set up SIM card lock** – Set up SIM card lock or change SIM PIN.

# Settings

## SD card & phone storage

### < USB connection mode >

**Mass storage only** – Your phone can be used as a mass storage device if you have a memory card inserted. You can set the **Mass storage only** as a default setting of USB connection mode.

### < External SD card >

Checks total space and available space. Touch **Unmount External SD card** for safe removal. If you want to delete all data from the external microSD card, touch **Format External SD card** to format it.

### < Internal SD card >

Checks total space and available space. Touch **Unmount Internal SD card** for safe removal. If you want to delete all data from the internal microSD, touch **Format Internal SD card** to format it.

### < Internal phone storage >

Checks the **Available space**.

## Language & keyboard

Use the **Language & keyboard** settings to select the language and region for the text on your phone and for configuring the onscreen keyboard, including words that you have added to the dictionary.

## Voice input & output

### < Voice input >

#### Voice recognizer settings –

Use the **Voice recognizer settings** to configure the Android voice input feature.

- **Language:** Opens a screen where you can set the language you use when entering text by speaking.
- **SafeSearch:** Opens a dialog where you can set whether you want Google SafeSearch filter to block some results.

## About phone

View legal information and check phone status and software version.

## Wi-Fi

With Wi-Fi, you can use high-speed internet access within the coverage of the wireless access point (AP).

You can enjoy wireless internet with Wi-Fi, without extra charges.

## Turn on Wi-Fi


From the home screen, open the notification drawer and touch



on.

Or, touch **Application > Settings > Wireless & networks**, then turn **Wi-Fi** on.

## To connect to Wi-Fi

Choose Wi-Fi network you want to connect to. If you see , you need to enter password to connect.