



ENGLISH

**General Inquiries**

<LG Customer Information Centre>

0844-847-5847 or +44-844-847-5847

\* Make sure the number is correct before making a call.

User Guide

**LG-P990**



**CE 0168** 

P/N : MFL67121818 (1.1) 

[www.lg.com](http://www.lg.com)

<b>Wi-Fi (WLAN)</b>	This equipment may be operated in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors in France, Russia and Ukraine.
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Bluetooth QD ID B017628



## LG-P990 User Guide - English

- 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.
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## Guidelines for safe and efficient use

Please read these simple guidelines. Not following these guidelines may be dangerous or illegal.

### Exposure to radio frequency energy

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial

safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg\*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station,

the lower the power output of the device.

Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person.

The highest SAR value for this device when tested for use at the ear is 0.545 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body. In order to transmit data files or

messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

The highest SAR value for this device when tested for use at the body is 0.897 W/kg.

\* The SAR limit for mobile devices used by the public is 2.0 watts/ kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

## Guidelines for safe and efficient use

### **FCC SAR information**

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada.

These requirements set a SAR limit of 1.6 W/kg averaged over 1 gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 0.27 W/kg and when properly worn on the body is 0.62 W/kg.

Additionally, this device was tested for typical body-worn operations with the back of the phone kept 2cm (0.79 inches) between the users body and the back of the phone.

To comply with FCC RF exposure requirements, a minimum

separation distance of 2cm (0.79 inches) must be maintained between the user's body and the back of the phone.

### **\* FCC Notice & Caution Notice!**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Caution!**

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

## 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.
- Repairs under warranty, at LG's discretion, may include replacement parts or boards that are either new or reconditioned, provided that they have functionality equal to that of the parts being replaced.
- 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.
- Switch off the phone in any area where you are required to by special regulations. For example, do not use your phone in hospitals as it may affect sensitive medical equipment.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock and can seriously damage your phone.
- Do not charge a handset near flammable material as the handset can become hot and create a fire hazard.
- Use a dry cloth to clean the exterior of the unit (do not use solvents such as benzene, thinner or alcohol).

## Guidelines for safe and efficient use

- Do not charge the phone when it is on soft furnishings.
- The phone should be charged in a well ventilated area.
- Do not subject this unit to excessive smoke or dust.
- Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object as it may damage the phone.
- Do not expose the phone to liquid, moisture or humidity.
- Use the accessories like earphones cautiously. Do not touch the antenna unnecessarily.
- Do not use the phone or accessories in places with high humidity such as pools, greenhouses, solariums or tropical environments, it may cause damage to the phone and invalidation of warranty.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.

### Efficient phone operation Electronic and medical devices

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

- Do not use your mobile phone near medical equipment without requesting permission. Please consult your doctor to determine if operation of your phone may interfere with the operation of your medical device.
- Some hearing aids might be disturbed by mobile phones.

- Minor interference may affect TVs, radios, PCs, etc.

## Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15cm be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this use the phone on the opposite ear to your pacemaker and do not carry it in a breast pocket.

## Hospitals

Switch off your wireless device when requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

## Road safety

Check the laws and regulations on the use of mobile phones in the area 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 require you to do so.
- RF energy may affect some electronic systems in your vehicle such as car stereos and safety equipment.
- If your vehicle is equipped with an air bag, do not obstruct with installed or portable wireless equipment. It can cause the air bag to fail or cause serious injury due to improper performance.

## Guidelines for safe and efficient use

- If you are listening to music while out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is of particular importance when near roads.

### Avoid damage to your hearing

Damage to your hearing can occur if you are exposed to loud sounds for long periods of time. We therefore recommend that you do not turn the handset on or off close to your ear.

We also recommend that music and call volumes are set to a reasonable level.

**NOTE:** Excessive sound pressure from earphones can cause hearing loss.

### Glass Parts

Some parts of your mobile device are made of glass. This glass could break if your mobile device is dropped on a hard surface or receives a substantial impact. If the glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by an authorised service provider.

### 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 your phone at a refuelling point.
- Do not use near fuel or chemicals.

- Do not transport or store flammable gas, liquid or explosives in the same compartment of your vehicle as your mobile phone or accessories.

### **In aircraft**

Wireless devices can cause interference in aircraft.

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

### **Children**

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

### **Emergency calls**

Emergency calls may not be available on all mobile networks. Therefore you should never depend solely on your 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 maximise battery life.
- Do not disassemble or shortcircuit the battery pack.
- Keep the metal contacts of the battery pack clean.

## Guidelines for safe and efficient use

- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times before it needs replacing.
- Recharge the battery if it has not been used for a long time to maximise usability.
- Do not expose the battery charger to direct sunlight or use it in high humidity, such as in the bathroom.
- Do not leave the battery in hot or cold places, as this may deteriorate battery performance.
- There is risk of explosion if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions. Please recycle when possible. Do not dispose as household waste.
- If you need to replace the battery, take it to your nearest authorised LG Electronics service point or dealer for assistance.
- Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.



### **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.



### **Disposal of waste batteries/accumulators**

- 1 When this crossed-out wheeled bin symbol is attached to batteries/accumulators of your product it means they are covered by the European Directive 2006/66/EC.
- 2 This symbol may be combined with chemical symbols for mercury(Hg), cadmium(Cd) or lead(Pb) if the battery contains more than 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.
- 3 All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- 4 The correct disposal of your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.
- 5 For more detailed information about disposal of your old batteries/accumulators, please contact your city office, waste disposal service or the shop where you purchased the product.


## Important notice

Please check to see if any problems you have encountered with your phone are described in this section, before taking the phone in for service or calling a service representative.

### 1. Phone memory

When available space on your phone memory is less than 2%, your phone can not receive new messages. You will need to check your phone memory and delete some data, such as applications or messages to make more memory available.

#### To manage the application:

- 1 On the home screen, touch **Applications** tab  and select **Settings > Applications > Manage applications**.
- 2 When all applications appear, scroll and select the application you want to uninstall.

- 3 Tap **Uninstall** and touch OK to uninstall application you desired.

### 2. Optimising battery life


You can extend your battery's life between charges by turning off features that you don't need constantly running in the background. You can also monitor how applications and system resources consume battery power.

#### To extend the life of your battery:


- Turn off radio communications that you aren't using. If you aren't using Wi-Fi, Bluetooth, or GPS, turn them off.
- Turn down screen brightness and set a shorter screen timeout.
- Turn off automatic syncing for Gmail, Calendar, Contacts, and other applications.

- Some applications you have downloaded may cause your battery's life to be reduced.

#### **To check the battery charge level:**

- 1 On the home screen, touch **Applications** tab  and select **Settings > About phone > Status**.
- 2 The battery status (charging, discharging) and level (as a percentage of fully charged) are displayed at the top of the screen.

#### **To monitor and control what uses the battery:**

- 1 On the home screen, touch **Applications** tab  and select **Settings > About phone > Battery use**.
- 2 The top of the screen displays battery usage time. This is either how long since your

phone was last connected to a power source or if connected to a power source, how long since your phone was last run on battery power. The body of the screen lists applications or services using battery power from greatest amount to least.

### **3. Installing an open source OS**

If you install an open source OS on your phone, and you do not use the OS provided by the manufacturer, this may cause your phone to malfunction.

#### **WARNING**

If you install and use an OS other than the one provided by the manufacturer, your phone is no longer covered by the warranty.

## Important notice

### WARNING

To protect your phone and personal data, only download applications from trusted sources, such as Market. If some applications are not properly installed on your phone, your phone may not work properly or serious error may occurred. You will need to uninstall these applications and all of their data and settings from the phone.

## 4. Using unlock pattern

Set unlock pattern to secure your phone. Opens a set of screens that guide you through drawing a screen unlock pattern.

You can draw your own unlock pattern by connecting four or more dots.

If you set a pattern, the phone screen will lock. To unlock the

phone, draw the pattern you have set on the screen.

**Caution:** You need to create your Google account first before you set an unlock pattern.

### WARNING

#### Precautions to take when using the Pattern Lock

It is very important that you remember the unlock pattern you set. You will not be able to access your phone, until you use correct PIN. You have five chances to enter your unlock pattern, PIN or password. If you have used all five chances, you can try again after 30 seconds.

#### If you can't recall your unlock pattern, PIN or password:

If you have tried to log on to your Google account on the phone and failed to use correct pattern

five times, tap the Forgot pattern button. You will then be required to sign in with your Google account to unlock your phone.

If you haven't created a Google account on the phone or you forgot it, you need to perform a factory reset.

## 5. Using hard reset

If it does not restore to the original condition, use **Hard Reset (Factory Reset)** to initialise your phone.

When the phone is turned off, press and hold the **Power + Volume down** keys at the same time (for over ten seconds), the phone will turn on and perform factory reset immediately.

Please note, after you perform **Hard Reset**, all your data and applications on your phone will be erased. This cannot be reversed.

### **WARNING**

If you perform **Hard Reset**, all user applications and user data will be deleted. Please remember to back up any important data before performing a **Hard Reset**.


## 6. Connecting to Wi-Fi networks

To use Wi-Fi on your phone, you need to access a wireless access point or "hotspot." Some access points are open and you can simply connect to them. Others are hidden or implement other security features, so you must configure your phone to connect to them.

Turn off Wi-Fi when you're not using it to extend the life of your battery.

## Important notice


To turn Wi-Fi on and connect to a Wi-Fi network:

- 1 On the home screen, touch **Applications** tab  and select **Settings > Wireless & networks > Wi-Fi settings**.
- 2 Touch **Wi-Fi** to turn it on and begin scanning for available Wi-Fi networks.
  - List of available Wi-Fi networks is displayed. Secured networks are indicated by a lock icon.
- 3 Touch a network to connect to it.
  - If the network is open, you are prompted to confirm that you want to connect to that network by touching **Connect**.
  - If the network is secured, you are prompted to enter a password or other credentials. (Ask your network administrator for details.)
- 4 The status bar displays icons that indicate Wi-Fi status.

## 7. Opening and switching applications

Multi-tasking is easy with Android because open applications keep running even when you open another application. There's no need to quit an application before opening another. Use and switch among several open applications. Android manages each application, stopping and starting them as needed, to ensure that idle applications don't consume resources unnecessarily.

To stop the application you are using:

- 1 On the home screen, touch **Applications** tab  and select **Settings> Applications> Manage applications**.
- 2 Scroll to the desired application and touch **Force stop** to stop using it.

## **TIP!**

### **Getting back to a recent application**

Touch and hold the **Home** key. A screen will appear listing the applications you have recently opened.

## **8. Installing the LG PC suite on your PC**

To synchronise your phone with your PC via a USB cable you need to install the LG PC suite program on your PC.

You can download this program from the LG website (<http://www.lg.com>). Go to <http://www.lg.com> and select your region, country & language. Visit the LG website for more information on installing and using the program.

As PC suite is embedded in the internal memory on your phone, and you can simply copy it to your PC.

## **LG PC SUITE**

The LG PC Suite IV is a program that helps you connect your mobile phone to a PC using a USB data communication cable, so that you can use the functions of your mobile phone on your PC.

### **Major functions of the LG PC Suite IV**

- Create, edit and delete phone data conveniently
- Synchronise data from a PC or phone (contacts, calendar, message (SMS), bookmark)
- Transfer multimedia files (photo, video, music) conveniently with a simple drag & drop between your PC and your phone
- Transfer messages from your phone to your PC
- S/W update without losing your data

## Important notice

### LG-P990 does not support:

- PC Connection via Bluetooth
- To-do in Calendar
- Java Application

For more information, please refer to the user's guide for LG PC Suite IV. This can be found in the Help menu after installing LG PC Suite IV.

### To Install the LG PC Suite to your PC

- 1 Before connecting the USB data cable, make sure that the **Mass storage only** mode is enabled on your phone. (On the **Applications** tab, choose **Settings > SD card & phone storage**, then select the **Mass storage only** tick box.)
- 2 Connect your phone to your PC using the USB data cable.
  - (1) In the status bar, drag the USB icon.

- (2) Choose **USB Connected** and **Turn on USB storage**.
- (3) You can view the mass storage content on your PC and transfer the files.
- (4) Copy the 'LGPCSuiteIV' folder on your mass storage device to your PC.
- (5) Run 'LGInstaller.exe' file on your PC and follow the instructions.

\* When LG PCSuite IV installation is completed, disable **Mass storage only** mode to run LG PCSuite IV.

**NOTE:** Please do not remove or delete other program file installed on your memory card as this may cause damage to the pre-installed applications on your phone.

## 9. Connecting your phone to a computer via USB

## To transfer files in your microSD card using USB devices:

- 1 Install your microSD card on your phone. (It may already be inserted on your phone.)
- 2 Before connecting the USB data cable, make sure that the **Mass storage only** mode is enabled on your phone. (On the **Applications** tab, choose **Settings > SD card & phone storage**, then select the **Mass storage only** tick box.)
- 3 Use the USB cable with your phone to connect the phone to a USB port on your computer. You will receive notification that the USB is connected.
- 4 Open the notification drawer and touch **USB connected**.
- 5 Touch **Turn on USB storage** to confirm that you want to transfer files between your phone's microSD card and the computer.

When the phone is connected as USB storage, you will receive a notification. Your phone's microSD card is mounted as a drive on your computer. You can now copy files to and from the microSD card.

**NOTE:** When uninstalling PC Suite IV, USB and Bluetooth Drivers are not automatically removed. Therefore, they must be uninstalled manually.

**TIP!** To use the microSD card on your phone again, you need to open the notification drawer and touch **Turn off USB storage**. During this time, you can't access the microSD card from your phone, so you can't use applications that rely on the microSD card, such as camera, gallery and music functions.

To disconnect your phone from the computer, carefully follow your computer's instructions for correctly disconnecting USB

## Important notice

devices, to avoid losing information on the card.

- 1 Open the notification drawer and touch **Turn off USB storage**.
- 2 Safely disconnect the USB device on your computer.

### 10. Unlock screen when using data connection

Your display will go dark if untouched for a period of time when using data connection. To turn on your LCD screen, just press the power key.

### 11. Do not connect your phone when you power on/off your PC

Make sure you disconnect your phone and PC via data cable as it might cause errors on your PC.

### 12. Hold your phone upright

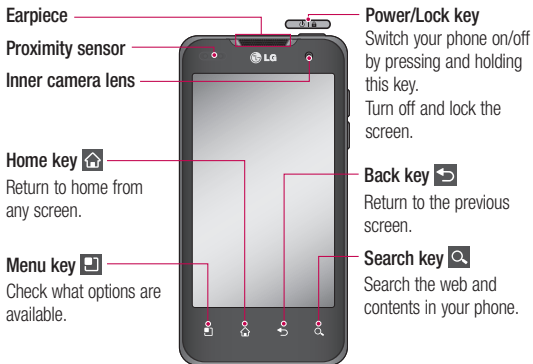
Please hold your phone straight and upright, as with a normal phone. The LG-P990 has an internal antenna. Be careful not to scratch or damage the back of the phone, as this will cause loss of performance. While making/receiving calls or sending/receiving data, try to avoid holding the lower part of the phone where the antenna is located. This may affect call quality.

### 13. If the screen freezes

If the phone does not respond to user input or the screen freezes: Remove the battery, insert it again and switch on the phone. If it still does not work, please contact the service centre.

## 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**.



### **NOTE:** Proximity sensor

When receiving and making calls, the proximity sensor automatically turns the backlight off and locks the touch keypad by sensing when the phone is near your ear. This extends battery life and prevents the touch keypad from activating unintentionally during calls.

### **WARNING**

Placing a heavy object on the phone or sitting on it, it can damage its LCD and touch screen functions. Do not cover the protective film on the LCD's proximity sensor. This may cause the sensor to malfunction.

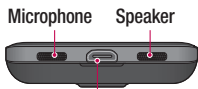
## Getting to know your phone

Stereo earphone connector



HDMI cable connector

Power/Lock key



Microphone Speaker

Charger, micro USB cable connector



Volume keys

On the home screen:  
control ringer volume.

- During a call: control your In-Call volume.
- When playing a track: control volume continuously.

Camera lens

Flash

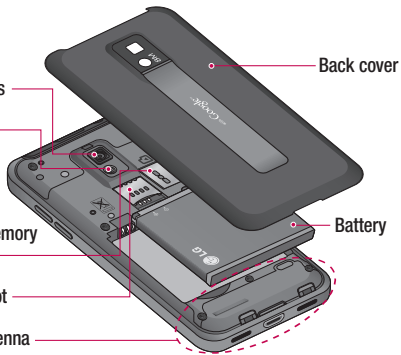
microSD memory card slot

SIM card slot

Internal antenna

Back cover

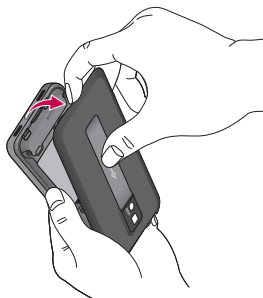
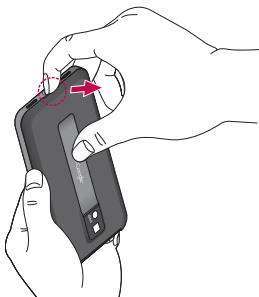
Battery



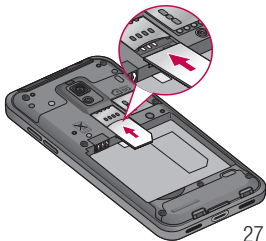
## Installing the SIM card and battery

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.

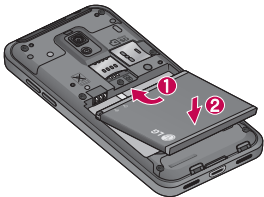


- 2 Slide the SIM card into the SIM card holder. Make sure the gold contact area on the card is facing downwards.

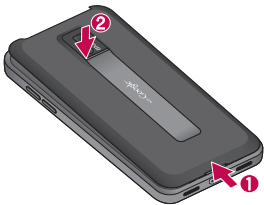


## Getting to know your phone


- 3 Insert the battery into place by aligning the gold contacts on the phone and the battery.



- 4 Replace the back cover of the phone.



## Charging your phone

Insert the charger and plug it into an electrical socket. Your LG-P990 must be charged until you can see .



**NOTE:** The battery must be fully charged initially to extend battery lifetime.

### Notice!

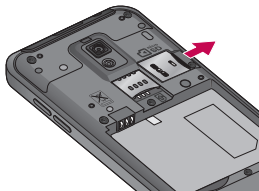
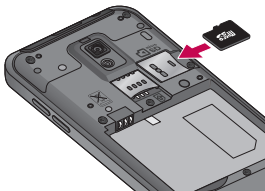
Use only LG-approved battery, charger (1A) and data cable (1A) specific to your phone model since they are designed to maximise battery life. Using other chargers and data cables will not guarantee full battery charge and normal charging time.

## Installing the memory card

**NOTE:** The LG-P990 supports up to a 32 GB memory card.

### To insert a memory card:

Slide the memory card into the slot until it clicks into place. Make sure the gold contact area on the card is facing downwards.



### **WARNING**

Do not insert or remove the memory card when the phone is on. Otherwise, it may damage the memory card as well as your phone and the data stored on the memory card may be corrupted.

## Removing a memory card


Carefully remove the memory card by gently pushing it in to the phone and quickly releasing it.

## 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 **Erase 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 > Erase SD card**.

#### WARNING

To remove the memory card safely, please select **Applications > Settings > SD card & phone storage > Unmount 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-P990, 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 **Messaging** 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

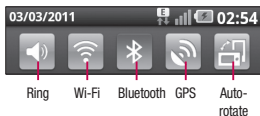
You can move to the home preview screen by placing two fingers on the home screen and bringing them closer together. You can move back to the home screen by placing two fingers on home preview screen and spreading them farther apart.

### 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.



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 while 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.

## Google Account Set-up

The first time you open the Google application on your phone, you will be required to sign in with your existing Google account. If you do not have a Google account, you will be prompted to create one.

### Creating your Google account

- 1 On the home screen, touch **Applications** tab  to open the applications menu.
- 2 Tap **Gmail** and tap **Next > Create** to start the Gmail set up wizard.
- 3 Touch a text field to open the touch keyboard, and enter your name and username for your Google account. When entering text, you can move to the next text field by touching **Next** on the keyboard.
- 4 When you have finished inputting your name and

username, tap **Next**. Your phone is communicating with Google servers and checking username availability.

- 5 Enter and re-enter your password. Then follow the instructions and enter the required and optional information about the account. Wait while the server creates your account.

### Signing in to your Google account

- 1 Enter your e-mail address and password, then tap **Sign in**. Wait for signing in.
- 2 After sign in, you can use Gmail and take advantages of Google services on your phone.
- 3 Once you have set up your Google account on your phone, it will be automatically synchronised with your Google account on the

web. (depending on your synchronisation settings). After sign in, you can use Gmail, Google Calendar, and Android Market; download applications from Android Market; and take advantage of other Google services on your phone.





### **IMPORTANT!**


- Some applications, such as Calendar, only work with the first Google account you add. If you plan to use more than one Google account with your phone, be sure to sign into the one you want to use with these applications first. When you sign in, your contacts, Gmail messages, calendar events and other information from these applications and services on the web are synchronised with your phone. If you don't sign into a Google account during

- setup, you will be prompted to sign in or to create a Google account the first time you start an application that requires one, such as Gmail or Android Market.
- If you have an enterprise account through your company or other organisation, your IT department may have special instructions on how to sign into that account.

## 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 for accepting an incoming call.

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

### When screen is unlocked:

When your phone rings, touch

**Accept** icon  to Accept an incoming call. 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 dialed, 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-P990 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 add a suggested recipient. You can add multiple contacts.
- 3 Touch **Enter message** 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.

**NOTE:** If you get an SMS message during a call, there will be beep or vibrate notification as per profile set.

## Messaging/E-mail

### Changing your message settings

Your LG-P990 message settings are predefined, so you can send messages immediately. You can change the settings based on your preferences.

Touch **Messaging** icon on the home screen, and touch the **Menu** key, then tap **Settings**.

### Opening your email and email accounts screen

You can use the **Email** application to read email from services like Gmail. The **Email** application supports the following account types: POP3, IMAP and Exchange.

**1** On the home screen, touch the **Applications** tab and tap **Email** to view the account list.

**TIP!** Select the **Email** shortcut icon on the home screen to move to the list of email accounts.

**2** The first time you open the **Email** application, a setup wizard opens to help you add an email account.

**3** After initial setup, **Email** displays the contents of your **Inbox** (if you have only one account) or the **Accounts** screen (if you have multiple accounts).

#### TIP!

- If you long-press an account from the list of email accounts, you can select the desired option in the pop-up window. For example, select **Add to home screen** to create a shortcut icon of the account on the home screen.
- 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. As you enter text, matching addresses are offered from your contacts. Separate multiple addresses with commas.

## Messaging/E-mail

- 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.

### To delete an email account:

- 1 Open the **Accounts** screen.
- 2 Touch and hold the account you want to delete.

- 3 Touch **Delete** in the menu that opens.
- 4 Touch **OK** in the dialog box to confirm that you want to delete the account.

## Social networking

With your phone, you can enjoy the social networking and manage your micro-blog in on-line communities. You can update your current status upload photos and view your friends' status updates. If you don't have an account, you can visit the website to set one up.

**NOTE:** An additional costs may be incurred when connecting and using online services. Check data charges with your network provider.

### Adding your account to your phone

- 1 On the home screen, touch the **Applications** tab to open the applications menu.
- 2 Choose any social networking site application you want to use.

- 1 Enter your e-mail address and the password that you set up on your community, then tap **Log in**.
- 2 Wait while your details are checked with your community.
- 3 If you tap your community, you can see the current status of your social community.

**TIP!** If you add a social networking widget on your home screen, the widget will show your status when your phone updates from the network. You can also access the social community directly by touching the widget.

## Viewing and updating your status

- 1 Choose a community you want to access.
- 2 You can see the current status of your social community.
- 3 You can update your current status with comments or uploading photos.

**NOTE:** This is dependent on network services.

**TIP!** You can use information about friends only in social networking site or sync all data to contacts.

## Removing accounts on your phone

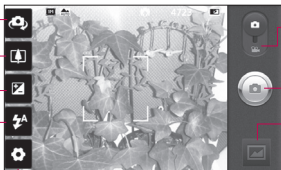
- 1 Choose **Applications > Settings > Accounts & sync.**
- 2 Choose the account you want to delete, then touch **Remove account.**

# 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 via **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 captured 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, some settings will return to default. Check camera settings 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.

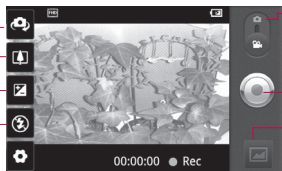
**Rotate** - Rotate left or right.

## 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 capturing a video in 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 via **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 **OK**. 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 video 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 SmartShare

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 Touch **Application** tab and select **SmartShare**.
- 2 Press the **Menu** key and select **Settings**.
- 3 Touch Discoverable checkbox to turn on.
- 4 Touch **Always accept**

## Multimedia

**request** if you would like to automatically accept sharing requests from other devices.

- 5 Under the Sharing contents section, touch to checkmark the types of content you would like to share. Choose from **Pictures**, **Videos** and **Music**.

- 6 **SmartShare** is now activated and ready to share contents.

**\* 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. The devices should be connected to the same WI-FI network i.e. WI-FI Mac address of both the devices should be the same.

**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-P990 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-P990 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.

## Multimedia


### 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**, 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-P990 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.

## Multimedia

- 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.

### 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.

**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.

**NOTE:** Your device can act only as server and you can't make FTP connection from your device to other device.

## Google applications

- 1 First, set up a Google account. Enter your user name and password.
- 2 After signing in your contacts, email and calendar in your Google account will automatically synchronise with your LG-P990.

### Google Maps™

Check your current location and traffic and receive directions to your destination. Your phone must be connected to Wi-Fi or 3G/GPRS.

**NOTE:** Google Maps does not cover all cities and countries.

With the **Menu** key, you can select options such as **Search, Directions, Starred Places, Clear Map, Latitude** and so on.

### Market™

Android Market lets you download useful applications and games. If you install applications and games from Android Market, they appear in the LG-P990 menu. You can check downloaded applications on **Downloads** tab.

You can check other's comments regarding an application or you can post your own comments.

### Gmail™

Gmail is configured when you first set up your phone. Depending on your synchronisation settings, Gmail is automatically synchronised on your phone with your Google account on the web. The inbox conversations list is your default Gmail view.

Touch the **Menu** key, then touch **Refresh** to send or receive new emails and to synchronise your

emails with your Google account on the web. With the **Menu** key, you can compose an email, add accounts, go to labels, search and so on.

### Google Talk™

Google Talk is Google's instant messaging program. It lets you communicate with other people who also use Google Talk.

Touch the **Menu** key and tick available options as below: **All friends, Add friend, Search, Sign out, Settings** and so on.

### Google Search

Touch the **Menu** key, then touch Search and again touch the menu key and touch search settings to configure Google search, including setting which data on your phone you want to be able to search.

### < Web >

Touch **Google search** to adjust Google search settings.

**Show web suggestions** – Tick to display suggestions for Google web searches below the Google search box as you type.

**Use My Location** – Tick to include your location when using Google search and other Google services. When you tick this option, you are asked whether you consent to allowing Google to use your location when providing these services.

**Search history** – Tick to use suggestions from web-based Google search history, from your Google account.

**Manage search history** – Opens browser with a web-based interface for viewing and managing the web search history associated with your Google account.

## Google applications

### < Phone >

**Searchable items** – Opens screen where you can tick and un-tick the kinds of data you are able to search for on your phone.

**Clear shortcuts** – Erases the list of previously chosen search results that appear as suggestions below the Google search box.


### YouTube™

YouTube is a free website where you can watch or upload videos.

**NOTE:** You can access YouTube with your Google account but you need a YouTube account for some services such as video uploading.

## 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 > 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 Event, set **Repetition**, and set **Reminders**, if necessary.
- 7 Touch **Done** to save the event in the calendar.

### Home Time Zone

You can set the option “Use home time zone” & select “Home time zone” from the list.


This is used to override the local time zone set by the mobile network so that time zone of your choice is applicable to Calendar and events of your phone.

- 1 On the idle screen, touch the Home key.
- 2 Touch Calendar, then sign in to your account.
- 3 In the Calendar menu, Select Settings option.
- 4 Touch Use Home Time Zone and select required time zone in Home Time Zone option.

### 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.

**Notice:** The available recording time may differ from the real time.

### **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.

# The Web





## Browser


Browser gives you a fast, full-colour world of games, music, news, sports, entertainment and much more, right on your mobile phone. Wherever you are and whatever you're into.

**NOTE:** Additional charges apply when connecting to these services and downloading content. Check data charges with your network provider.

## Using options

Touch the **Menu** key to view options.

-  **New window:** Open a new window.
-  **Bookmarks:** Add/show bookmark, show most visited site and history.
-  **Windows:** Show all your open windows.
-  **Refresh:** Touch to refresh the web page.

 **Forward:** Go forward to the page you connected to after the current page. The **Back** key takes you to the previous page.

### More

- **Add bookmark:** Add the current web page as bookmark.
- **Find on page:** If you enter any letter or word, it will mark all the letters available in the web page.
- **Select text:** Touch and select the lines you want to copy. Long touch any input box then you can paste it.
- **Page info:** Show the web page information.
- **Share page:** Send the web page.
- **Downloads:** Show downloaded history.
- **Settings:** Change web browser settings.

**NOTE:** To return the previous page, touch the **Back** key.

## 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-P990 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

## Settings

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 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

## Settings

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.

< Passwords >

**Visible passwords** – Select to show passwords as you type them or deselect to hide passwords as you type them.

## < Device administration >

**Select device administrators** – Add or remove device administrators.

## < Credential storage >

**Use secure credentials** – Tick to allow applications to access your phone's encrypted store of secure certificates, related passwords and other credentials. You use credential storage to establish some kinds of VPN and Wi-Fi connections. If you have not set a password for credential storage, this setting is dimmed.

**Install from SD card** – Allows you to install encrypted certificates from a microSD card.

**Set password** – Allows you to set or change the password for your secure credential storage. Your password must have at least eight characters.

**Clear storage** – Deletes all secure certificates and related credentials and erases the secure storage password.

## Applications

**Unknown sources** – Permits installation of applications that you obtain from websites, email or other locations other than Android Market.

### **WARNING**

To protect your phone and personal data, only download applications from trusted sources, such as Android Market.

**Manage applications** – Manage and remove installed applications.

**Running services** – Allows you to view and control currently running services and applications. This option displays what processes each running service needs and

## Settings

how much memory it is using.

**Storage use** – View storage used by applications.

**Battery use** – See what has been using the battery.

**Development** – Allows you to set options for application development, such as **USB debugging**, **Stay awake**, and **Allow mock locations**.

### Accounts & sync

<General sync settings >

**Background data** – Permits applications to synchronise data in the background, whether or not you are actively working in them. Un-ticking this setting can save battery power and lowers (but does not eliminate) data use.

**Auto-sync** – Permits applications to synchronise, send, and receive data on their own schedule.

< **Manage accounts** >

List of all Google accounts and other accounts you've added to your phone.

If you touch an account in this screen, its account screen opens.

### Privacy

If you select **Factory data reset**, it will erase all of your personal data from internal phone storage, including information about your Google account, any other accounts, your system/application data and settings as well as any downloaded applications and DRM license.

Resetting the phone does not erase any system software updates you have downloaded or any files on your microSD card, such as music or photos. If you reset the phone

in this way, you are prompted to reenter the same information as when you first started Android.

## 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.

< **SD card** >

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

## Settings

- **SafeSearch:** Opens a dialog where you can set whether you want Google SafeSearch filter to block some results.
- **Block offensive words:** When un-ticked, Google voice recognition will recognise and transcribe words many people consider offensive, when you enter text by speaking. When ticked, Google voice recognition replaces those words in transcriptions with a place holder comprised of hash symbols (#).

### < Voice output >

#### Text-to-speech settings –

Use the **Text-to-speech settings** to configure the Android text-to-speech synthesiser for applications that can take advantage of it.

**NOTE:** If you don't have speech synthesiser data installed, only the **Install voice data** setting is

available.

- **Listen to an example:** Plays a brief sample of the speech synthesiser, using your current settings.
- **Always use my settings:** Check to use the settings on this screen in place of speech synthesiser settings available in other applications.
- **Default Engine:** Opens a dialog where you can set the text-to-speech application you want to use, if you have more than one installed.
- **Install voice data:** If your phone does not have speech synthesiser data installed, this connects to Android Market and guides you through the process of downloading and installing the data. This setting is not available if the data is already installed.

- **Speech rate:** Opens a dialog where you can select how quickly you want the synthesiser to speak.
- **Language:** Opens a dialog where you can select the language of the text you want the synthesiser to read. This is particularly useful in combination with **Always use my settings** to ensure that text is spoken correctly in a variety of applications.
- **Pico TTS:** Configure the **Pico TTS** settings.

## Accessibility

Use the **Accessibility** settings to configure any accessibility plug-ins you have installed on your phone.

**NOTE:** Requires additional plug-ins to become selectable.

## HDMI

Adjust the HDMI connection setting. If your phone is connected with TV/PC via HDMI cable, you can see the image and video file through the TV/PC, when the video player/image viewer is visible on your phone screen.

### NOTE:

- It may take time to play media files depending on the device connected to your phone using an HDMI cable.
- Files may not be played properly when using a cable or device that is not HDMI-certified.
- The image orientation set in your phone also applies to the image displayed on the device.
- If your phone data is not displayed properly on the device due to a sync issue, you need to change the resolution of your phone. (You need to reboot your

## Settings

phone to reflect the new HDMI resolution.)

### Date & time

Use **Date & time** settings to set your references for how dates are displayed. You can also use these settings to set your own time and time zone rather than obtaining the current time from the mobile network.

### 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.

#### NOTE:

- If you are out of Wi-Fi area and choose 3G connection, additional charges may be applied.
- If your phone changes to sleep mode, even when connected to Wi-Fi, the Wi-Fi connection will be disabled automatically (in which case, if your phone has access to 3G data, it may be connected




to the 3G network automatically and additional charges may be applied).

- The LG-P990 supports Open, WEP, WPA/WPA2 PSK, 802.1xEAP security. If your Wi-Fi service provider or network administrator sets encryption for network security, fill in the key in the pop-up window. If encryption is not set, this pop-up window will not be shown. You can obtain the key from your Wi-Fi service provider or network administrator.

## Sharing your phone's data connection

You can share your phone's mobile data connection with a single computer via a USB cable: USB tethering. You can also share your phone's data connection with up to five devices at once, by turning your phone into a portable Wi-Fi hotspot. When your phone is sharing

its data connection, an icon appears in the status bar and as an ongoing notification in the notifications drawer.

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

For the latest information about tethering and portable hotspots, including supported operating systems and other details, visit <http://www.android.com/tether>.

**NOTE:** An additional costs may be incurred when connecting and using online services. Check data charges with your network provider.

## Settings

### USB tethering & portable Wi-Fi hotspot settings

- 1 On the home screen, touch the **Applications** tab and select **Settings**.
- 2 Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 3 Choose options that you want to adjust.

**USB tethering** – Check to share your phone's mobile network data connection with your computer, via a USB connection.

**Portable Wi-Fi hotspot** – Check to share your phone's mobile network data connection as a portable Wi-Fi hotspot.


**Help** – Opens a dialog with information about USB tethering and portable Wi-Fi hotspots as well as information about where to learn more.

### To share your phone's data connection via USB

If your computer is running Windows 7 or a recent distribution of some flavours of Linux (such as Ubuntu), you typically don't need to prepare your computer for tethering. But if you're running an earlier version of Windows or another operating system, you may need to prepare your computer to establish a network connection via USB. For the most current information about which operating systems support USB tethering and how to configure them, visit <http://www.android.com/tether>.

## USB tethering and data sharing


You can't share your phone's data connection and microSD card via USB at the same time. If you are using your USB connection to make your microSD card available to your computer, you must disconnect it first.

- 1 Use the USB cable that came with your phone to connect your phone to your computer.
- 2 On the home screen, touch the **Applications** tab and select **Settings**.
- 3 Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 4 Check **USB tethering**.
  - The phone starts sharing its mobile network data connection with your computer, via USB connection.An ongoing notification 

is added to the status bar and notifications drawer.

- 5 Un-tick **USB tethering** to stop sharing your data connection. Or just disconnect the USB cable.

## To share your phone's data connection as a portable Wi-Fi hotspot

- 1 On the home screen, touch the **Applications** tab and select **Settings**.
- 2 Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 3 Check **Portable Wi-Fi hotspot**.
  - After a moment, the phone starts broadcasting its Wi-Fi network name (SSID), so you can connect to it with up to five computers or other devices.An ongoing notification  is added to the status bar and notifications drawer.

## Settings

- When **Portable Wi-Fi hotspot** is ticked, you can change its network name or secure it.
- 4** Un-tick **Portable Wi-Fi hotspot** to stop sharing your data connection via Wi-Fi.

### To rename or secure your portable hotspot

You can change the name of your phone's Wi-Fi network name (SSID) and secure its Wi-Fi network.

- 1** On the home screen, touch the **Applications** tab and select **Settings**.
- 2** Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 3** Ensure **Portable Wi-Fi hotspot** is ticked.
- 4** Touch **Portable Wi-Fi hotspot settings**.

- 5** Touch **Configure Wi-Fi hotspot**.
  - The **Configure Wi-Fi hotspot** dialog opens.
  - You can change the network SSID (name) that other computers see when scanning for Wi-Fi networks.
  - You can also touch the **Security** menu to configure the network with Wi-Fi Protected Access 2 (WPA2) security, with a preshared key (PSK).
  - If you touch the **WPA2 PSK** security option, a password field is added to the **Configure Wi-Fi hotspot** dialog. If you enter a password, you will need to enter that password when you connect to the phone's hotspot with a computer or other device. Or touch **Open** in the **Security** menu to remove security from your Wi-Fi network.

### ATTENTION!


If you set the security option as **Open**, you can not prevent unauthorised usage of online services by other people and additional charges can be incurred. To avoid unauthorised use, you are advised to keep the security option.





#### 6 Touch **Save**.

## How to use On-Screen Phone

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.

### On-Screen Phone icons

 Connects or disconnects your mobile phone to/from your PC.

-  Rotates the On-Screen Phone window (only available at applications that support rotation).
-  Changes the On-Screen Phone preferences.
-  Exits the On-Screen Phone program.
-  Minimises the On-Screen Phone window.

## On-Screen Phone features

- Real-time transfer and control: displays and controls your mobile phone screen when connected to your PC.
- Mouse control: allows you to control your mobile phone by using the mouse to click and drag on your PC screen.
- Text input with keyboard: allows you to compose a text message or note using your computer

## Settings

keyboard.

- File transfer (mobile phone to PC): sends files from your mobile phone (e.g. photos, videos, music and Polaris Office files) to your PC. Simply right-click and drag to send a file to your PC.
- File transfer (PC to mobile phone): sends files from your PC to your mobile phone. Simply select the files you wish to transfer and drag and drop it into the On-Screen Phone window. The files you send are stored on a micro SD card.
- Real-time event notifications: prompts a pop-up to inform you of any incoming calls or text/multimedia messages, as well as alarm notifications.

**NOTE:** The On-Screen Phone feature does not support camera preview and videos on your phone, so these images cannot be displayed on the PC screen.

## How to install On-Screen Phone on your PC

Visit LG Home (<http://www.lg.com>) and go to **Support > Mobile Phone Support > Download LG Mobile Support Tool** to PC. If you download LG PC Suite IV, the On-Screen Phone program will also be downloaded on your PC. Then you can install the On-Screen Phone on your PC.

## How to connect your mobile phone to your PC

### USB connection:

- 1 Open Connection Wizard, select "USB Cable connection" and click "Next".
- 2 Connect your mobile phone to the PC using a USB cable and click "Next".

- 3 Enter the On-Screen Phone password and click "Next". The default password is "0000". You can change the password in **Settings > Wireless & Networks > On-Screen Phone Settings**.
- 4 Click "OK" to exit the window.

#### **Wireless connection with Bluetooth:**

- 1 On your mobile phone, go to **Settings > Wireless & networks > Bluetooth settings**. Turn on **Bluetooth** and tick **Discoverable**.
- 2 If you have previously connected using a cable, run the New Connection Wizard to create a new connection.
- 3 Run the Connection Wizard on the computer, select "Bluetooth connection", then "Next".
- 4 The wizard starts searching for

Bluetooth-enabled mobile phones. When the mobile phone that you wish to connect to appears, click "Stop" to stop searching.


- 5 Select "LG-P990" from the device list and click "Next". You can rename the device if you wish.
- 6 Enter the PIN code (e.g. "0000") and click "Next".
- 7 On your mobile phone, accept the request and enter the same PIN code, then touch "OK".
- 8 Enter the On-Screen Phone password and click "Next" (the default password is "0000").
- 9 Touch "OK" to exit.

#### **To check the phone to PC connection**

Once the devices have been connected, drag down the notification bar at the top of the home screen to check the On-Screen Phone connection status.

## Settings

### To disconnect your phone from your PC

Click  in the top left of the On-Screen Phone window. Or, drag down the notification bar at the top of the home screen and select "On-Screen Phone". Touch "Yes" in the Disconnect window.

**NOTE:** You must restart your phone after shutting down the On-Screen Phone service.

### Phone Software update

#### LG Mobile Phone Software update from internet

For more information on using this function, please visit the <http://update.lgmobile.com> or <http://www.lg.com/common/index.jsp> → select country and language. This feature allows you to update the firmware of your phone to the newer version conveniently from the internet without the need to visit a service centre. This feature

is only available if and when LG makes the newer version of the firmware available for your device. As the mobile phone firmware update requires the user's full attention for the duration of the update process, please make sure to check all instructions and notes that appear at each step before proceeding. Please note that removing the USB data cable or battery during the upgrade may seriously damage your mobile phone.

**NOTE:** LG reserves the right to make firmware updates available only for selective models at its own discretion and does not guarantee the availability of the newer version of the firmware for all handset models.

#### LG Mobile Phone Software update via Over-the-Air (OTA)

This feature allows you to update the firmware of your phone to the

newer version conveniently via OTA without connecting the USB data cable. This feature is only available if and when LG makes the newer version of the firmware available for your device.

First, you can check the software version on your mobile phone:

**Settings > About phone > Software update > Software update check.**

You can also rearrange update schedule in 1 hour, 4 hours, 8 hours or 24 hours before updates. In this case, the application will notify you to update when the time is up. Also you can rearrange or update by manually.

**NOTE:** This feature is dependent on the network service provider, region or countries.

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### • DivX Mobile



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Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration.

**DivX Certified® to play DivX® video up to HD 720p, including premium content. May play  video up to 1920x1080.**

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All referred license terms, disclaimers and notices are available for download with the source code.

## Accessories

These accessories are available for use with the LG-P990.  
(Items described below may be optional.)

### Charger



### Data cable

Connect your LG-P990 and PC.



### Battery



### User Guide

Learn more about your LG-P990.



### Stereo headset



### NOTE:




- Always use genuine LG accessories.
- Failure to do this may void your warranty.
- Accessories may vary in different regions.

# Technical data

## Ambient Temperatures

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

Min: -10°C

Declaration of Conformity		 LG Electronics
<b>Suppliers Details</b>		
Name	LG Electronics Inc	
Address	LG Twin Tower 20, Yeouido-dong, Yeongdeungpo-gu Seoul, Korea 150-721	
<b>Product Details</b>		
Product Name	GSM 850 / E-GSM 900 / DCS 1800 / PCS 1900 Quad Band and WCDMA Terminal Equipment	
Model Name	LG-P990	
Trade Name	LG	
<b>CE0168</b> 		
<b>Applicable Standards Details</b>		
R&TTE Directive	1999/5/EC	
	EN 301 489-01 V1.3.1 / EN 301 489-07 V1.3.1 / EN 301 489-17 V2.1.1 / EN 301 489-19 V1.2.1 / EN 301 489-24 V1.4.1	
	EN 300 328 V1.7.1	
	EN 60950-1:2006+A11:2009	
	EN 50360:2001 / EN62209-1:2008 / IEC62209-2:2010	
	EN 301 511 V9.0.2	
	EN 301 908-1 V4.2.1 / EN 301 908-2 V4.2.1	
<b>Supplementary Information</b>		
The conformity to above standards is verified by the following Notified Body(BABT)		
BABT, Forsyth House, Churchfield Road, Walton-on-Thames, Surrey, KT12 2TD, United Kingdom		
Notified Body Identification Number : 0168		
<b>Declaration</b>		
I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives	Name	Issued Date
	Doo Haeng Lee / Director	18, Feb, 2011
LG Electronics Logistics and Services B.V. Valuwezoom 15, 1327 AE Almere, The Netherlands		
	Signature of representative	

## Troubleshooting

This chapter lists some problems you might encounter while using your phone. Some problems require you to call your service provider, but most are easy to correct yourself.

Message	Possible causes	Possible Corrective Measures
SIM error	There is no SIM card in the phone or it is inserted incorrectly.	Make sure that the SIM card is correctly inserted.
No network connection/ Losing network	Weak Signal outside of GSM network area. Operator applied new services	Move towards a window or into an open area. Check the network operator coverage map. Check if the SIM card is older than 6~12 months. If so, change your SIM at your network provider's nearest branch.
Codes do not match	To change a security code, you will need to confirm the new code by entering it again. The two codes you have entered do not match.	The default code is [0000]. If you forget the code, contact your service provider.
Any application cannot be set	Not supported by service provider or registration required	Contact your service provider.

<b>Message</b>	<b>Possible causes</b>	<b>Possible Corrective Measures</b>
Calls not available	Dialling error	New network not authorised.
	New SIM card inserted	Check for new restrictions.
	Prepaid Charge limit reached	Contact service provider or reset limit with PIN 2.
Phone cannot be switched on	On/Off key pressed long enough	Press the On/Off key down for at least two seconds.
	Battery is not charged	Keep charger attached for longer. Clean the contacts.
	Battery contacts are dirty	Take out the battery and insert again.
Charging error	Battery is not charged.	Charge battery.
	Outside temperature is too hot or cold	Make sure phone is charging under normal temperatures.
	Contact problem	Check the charger and connection to the phone. Check the battery contacts and clean them if necessary.
	No voltage	Plug into a different socket.
	Charger defective	If the charger does not warm up, replace it.
	Wrong charger Battery defective	Only use original LG accessories. Replace battery.
Number not permitted	The Fixed Dial Number function is on.	Check settings.

## Troubleshooting

<b>Message</b>	<b>Possible causes</b>	<b>Possible Corrective Measures</b>
Impossible to receive/ send SMS & Picture	Memory Full	Delete some existing messages in the phone.
Files not open	Unsupported file format	Check the file format that can be supported
SD Card not working	FAT 16 file system supported only	Check SD card file system via card reader Or format SD card using phone
The screen does not turn on when I receive a call.	Proximity sensor problem	If you use any protection tape or case, check if it is covering the area around the proximity sensor. Make sure that the area around the proximity sensor is clean.
No Sound	Vibration or manner mode	Check the settings status of the sound menu to make sure you are not in vibrate or silent mode.
Hang up or freeze	Intermittent software problem	Remove battery and re-insert battery. Turn on the phone. Try to do a software update service via WEB site.







