



ENGLISH
FRANÇAIS



USER GUIDE

LG-P690b



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www.lg.com/ca



English

LG-P690b User Guide

This guide helps you get started using your phone.

If you need more information, please visit www.lg.com/ca.

- Some of the contents of this manual may not apply to your phone. This depends on your phone's software and your service provider.
- This handset is not recommended for the visually impaired because of its touch screen keyboard.
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For Your Safety

Important Information

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

Before You Start

Safety Instructions

 **WARNING**

To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32°F

(0°C) or greater than 104°F (40°C), such as outside during extreme weather conditions or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices.

RF emissions from your mobile phone may affect nearby in adequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone.

Turn off your phone in a medical facility or at a gas station. Never place your phone in a microwave oven as this will cause the battery to explode.

For Your Safety

Safety Information

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.

- Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.
- Never place your phone in a microwave oven as it will cause the battery to explode.
- Do not dispose of your battery by fire or with hazardous or flammable materials.
- Make sure that no sharpedged items come into contact with the battery. There is a risk of this causing a fire.
- Store the battery in a place out of reach of children.
- Be careful that children do not swallow any parts such as rubber plugs (earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation.
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.
- Do not use a hand-held phone while driving.
- Do not use the phone in areas where its use is prohibited. (For example: aircraft).
- Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.

- Never store your phone in temperatures less than -4°F (-20°C) or greater than 122°F (50°C).
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.
- Do not drop, strike, or shake your phone severely. Such actions may harm the internal circuit boards of the phone.
- Do not use your phone in high explosive areas as the phone may generate sparks.
- Do not damage the power cord by bending, twisting, pulling, or heating.
- Do not use the plug if it is loose as it may cause a fire or electric shock.
- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.
- Do not disassemble the phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- Only use the batteries, antennas, and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.

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- Do not hold or let the antenna come in contact with your body during a call.
- An emergency call can be made only within a service area. For an emergency call, make sure that you are within a service area and that the phone is turned on.
- Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.
- The memory card cannot be used for recording copyright protected data.
- Do not write forcefully on the memo area.
- Carry and store the memory card in its case.
- Do not allow the memory card to get wet.
- Do not leave the memory card in extremely hot location.
- Do not disassemble or modify the memory card.

Memory card information and care

- Always insert/ remove the memory card while the handset power is off. If you remove it while the power is on, it may be damaged.
- If a damage cannot be fixed, format the memory card.

FCC RF Exposure Information

 **WARNING**

Read this information before operating the phone.

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order

FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact

your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 2 cm (0.79 inches) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 2 cm (0.79 inches) must be maintained between the user's body and the back of the phone.

Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used.

Body-worn accessories that cannot maintain 2 cm (0.79 inches) separation distance between the user's body and the back of the phone, and have not been tested for typical bodyworn

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operations may not comply with FCC RF exposure limits and should be avoided.

Vehicle Mounted External Antenna (optional, if available)

A minimum separation distance of 20cm (8 inches) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at www.fcc.gov

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules and ICES-003 Class B digital apparatus requirements for Industry Canada.

Operation is subject to the following two conditions:

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

Cautions for Battery

- Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperature: 140°F (60°C).
- Do not incinerate.

Battery Disposal

- Please dispose of your battery properly or bring to your local wireless carrier for recycling.
- Do not dispose in fire or with hazardous or flammable materials.

Adapter (Charger) Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The adapter or battery charger is intended for indoor use only.

Do not expose the adapter or battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Avoid damage to your hearing

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

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

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TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones.

Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

* American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone Operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on Efficient Operation

For your phone to operate most efficiently:

- Do not touch the antenna unnecessarily when the phone is in use. Contact with the

antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving - driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals.

However, certain electronic equipment may not be shielded

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against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.

- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Health Care Facilities

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a 'blasting areas or in areas posted: 'Turn off twoway radio'. Obey all signs and instructions.

Potentially Explosive Atmosphere

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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Areas with a potentially explosive atmosphere are often, but not always, marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly

installed and the air bag inflates, serious injury could result.

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user guide in an accessible place at all the times after reading it.

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.

Battery Information and Care

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery does not need to be fully discharged before recharging.

- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.
- Keep the battery's metal contacts clean.
- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, Media Net Browsing, and data connectivity kits affect battery life and talk/standby times.
- The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.

Explosion, Shock, and Fire Hazards

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.

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- When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may shortcircuit the phone. Always cover the receptacle when not in use.
- Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.

General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.

- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Centre to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Centre.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- Do not turn your phone on or off when putting it near your ear.

FDA Consumer Update

The U.S. Food and Drug Administration Centre for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the standby

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mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is the FDA's role concerning the safety of wireless phones?

Under the law, the FDA does not review the safety of radiation emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the wireless phone industry to take

a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing of wireless phones with the best possible information on possible effects of wireless phone use on human health.

The FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration (Administración de la seguridad y salud laborales)
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

The FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

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The FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term 'wireless phone' refers here to handheld wireless phones with builtin antennas, often called 'cell', 'mobile', or 'PCS' phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's

head. These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called 'cordless phones,' which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods.

Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be predisposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results

of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures.

However, none of the studies can answer questions about longterm exposures, since the average period of phone use in these studies was around three years.

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5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the

time tumors develop - if they do may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is the FDA doing to find out more about the possible health effects of wireless phone RF?

The FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). The FDA has been a leading participant in the World Health Organization International

Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues. The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies

and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. The FCC established these guidelines in consultation with the FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed

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by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement.

The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has the FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, 'Recommended Practice for Determining the Spatial- Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques,' sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissuesimulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different

laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person

receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

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10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone

causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by the FDA,

medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a 'compatible' phone and a 'compatible' hearing aid at the same time. This standard was approved by the IEEE in 2000. The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should

harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:
FDA web page on wireless phones (<http://www.fda.gov/>)

Federal Communications Commission (FCC) RF Safety Program (<http://www.fcc.gov/oet/rfsafety>)

International Commission on Non-ionizing Radiation Protection (<http://www.icnirp.de>)

World Health Organization (WHO) International EMF Project (<http://www.who.int/emf>)

National Radiological Protection Board (UK) (<http://www.nrpb.org.uk/>)

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10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime.

An important responsibility accompanies the benefits of wireless phones, one that every user must uphold. When operating a car, driving is your first responsibility.

When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a handsfree device. A number of handsfree wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
4. Suspend conversations during hazardous driving conditions or

situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a “to-do” list while driving a car, you are not watching where you are going. It is common sense. Don’t get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls

when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip — dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

Safety Guidelines

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations — with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a “Good Samaritan” in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless nonemergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle, you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website www.wow-com.com

Consumer Information on SAR (Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards

include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the

Safety Guidelines

network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model phone when tested for use at the ear is 1.12 W/kg and when worn on the body, as described in this user's manual, is 0.69 W/kg. (Body-worn measurements differ among phones models, depending upon available accessories and FCC/IC requirements.) While there

may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/fccid> after searching on FCC ID: ZNFP690B.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.ctia.org/>

* In the United States and Canada, the SAR limit for mobile phones

used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

- * Product meets current FCC & IC Radio Frequency Exposure Guidelines.

FCC ID: ZNFP690B

IC ID: 2703C-P690B

Important notice

Please check to see whether any problems you 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 in your phone memory is less than 10%, your phone cannot receive new messages. You need to check your phone memory and delete some data, such as applications or messages, to make more memory available.

Managing applications

- 1 In the Home screen, touch the **Applications** tab, then select **Settings > Applications > Manage applications**.
- 2 Once all applications appear, scroll to and select the application you want to uninstall.

- 3 Tap **Uninstall**, then touch **OK** to uninstall the application you selected.

2. Optimising battery life

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

Extending your battery's life

- Turn off radio communications if you are not using. If you are not using Wi-Fi, Bluetooth, or GPS, turn them off.
- Reduce 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 life to be reduced.

Checking the battery charge level

- 1 In the Home screen, touch the **Applications** tab, then select **Settings > About phone > Status**.
- 2 The battery status (Charging, Not charging) and level (percentage charged) is displayed at the top of the screen.

Monitoring and controlling what uses the battery

- 1 In the Home screen, touch the **Applications** tab, then select **Settings > About phone > Battery use**.
- 2 Battery usage time is displayed at the top of the screen. It tells you how long it has been since you last connected to a power source or, if connected to a power source, how long you

were last running 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 operating system

If you install and use an open source operating system (OS) on your phone rather than using the OS provided by the manufacturer, your phone may 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 Android Market™. If there are improperly installed applications on your phone, your phone may not work normally or a serious error may occur. You must uninstall those applications and all their data and settings from the phone.

4. Using unlock pattern

Set unlock pattern to secure your phone. On the home screen, touch Applications tab and select **Settings > Location & security > Set up screen lock > Pattern**.

Follow the screens to be guided through drawing a screen unlock pattern. Select Continue to next screen. Opens a set of screens

that guide you through drawing a screen unlock pattern.

Caution: create a Gmail account before setting an unlock pattern.

WARNING

Precautions to take when using pattern lock.

It is very important to remember the unlock pattern you set. You will not be able to access your phone if you use an incorrect pattern 5 times. You have 5 opportunities to enter your unlock pattern, PIN or password. If you have used all 5 opportunities, you can try again after 30 seconds.

When you cannot recall your unlock pattern:

If you logged in to your Google account on the phone but failed to enter the correct pattern 5 times, tab the Forgotten pattern button. You are then required to

log in with your Google account to unlock your phone.

If you have not created a Google account on the phone or you forgot it, you have to perform a hard reset.

Caution: if you perform a hard reset, all user applications and user data are deleted. Remember to back up any important data before performing a hard reset.

5. Using the hard reset

If it does not restore to the original condition, use hard reset to initialise your phone.

When the phone is turned off, press and hold the **Home** key + **Volume down** key + **Power** key for over ten seconds. When the screen shows the LG logo, release the **Power** key.

After the screen shows the hard reset screen, release the other keys.

Leave your phone for at least a minute while it performs the hard reset, then your phone will be turned on.

Caution: if you perform a hard reset, all user applications and user data are deleted. This cannot be reversed. 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, access a wireless access point or “hotspot.” Some access points are open and you can simply connect to them. Others are hidden or use security features; you must configure your phone to be able to connect to them.

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

Important notice

Turning Wi-Fi on and connecting to a Wi-Fi network

- 1 In the Home screen, touch the **Applications** tab, then select **Settings > Wireless & networks > Wi-Fi settings**.
- 2 Touch **Wi-Fi** to turn it on and begin scanning for available Wi-Fi networks.
 - A 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 asked to confirm that you want to connect to that network by touching **Connect**.
 - If the network is secure, you're asked 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. Using a microSD card

Pictures, along with music and video files, can only be saved to external memory.

Before using the built-in camera, you first need to insert a microSD card into your phone.

Without inserting a memory card, you cannot take the picture and video.

WARNING

Do not insert or remove the memory card when the phone is on. Doing so may damage the memory card as well as your phone, and the data stored on the memory card may be corrupted. To remove the memory card safely, in the Home screen, touch the **Applications** tab, then select **Settings > SD card & phone storage > Unmount SD Card**.

8. Opening and switching applications

Multitasking is easy with Android because you can keep more than one application running at the same time. There's no need to quit an application before opening another. Use and switch between several open applications. Android manages each application, stopping and starting them as needed to ensure that idle applications don't consume resources unnecessarily.

Stopping applications

- 1 In the Home screen, touch the **Applications** tab, then select **Settings > Applications > Manage applications**.
- 2 Scroll to the desired running application and touch **Force stop** to stop it.

TIP Returning to recent apps
Press and hold the Home key. A screen then displays a list of the applications you used recently.

9. Copying LG PC Suite from an SD card

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

Major functions of LG PC Suite IV

- Create, edit and delete phone data with ease
- Synchronise data from PC & phone (Contacts, Calendar, Message(SMS), Bookmarks and Call log)

Important notice

- Easily transfer multimedia files (photos, videos, music) by simply dragging and dropping between a PC and your phone
- Transfer SMS messages from your phone to a PC
- Software update without losing your data

Installing LG PC Suite from your microSD memory card

- 1 Insert your microSD memory card into your phone. (It may already be inserted)
- 2 Before connecting the USB data cable, make sure that **Mass storage only** mode is enabled on your phone. (In the applications menu, choose **Settings > SD card & phone storage > Mass storage only** check box.)
- 3 Use the USB data cable to connect your phone to the PC.

- 4
 - In the status bar, drag the USB icon.
 - Choose **USB connected** and **Turn on USB storage**. Then touch OK to confirm.
 - You can view the mass storage content on your PC and transfer files.
- 5
 - Copy the LG PC Suite IV folder in mass storage to your PC.
 - Run the LGInstaller.exe file on your PC and follow the instructions.

* When LG PC Suite IV installation is complete, disable **Mass storage only** mode to run LG PC Suite IV.

NOTE: do not remove or delete other program files installed on your memory card. This may damage your preinstalled applications.

10. Connecting your phone to a computer using USB

NOTE: to synchronise your phone with your PC using the USB cable, you need to install LG PC Suite onto your PC. Download the program from the LG website (www.lg.com/ca). Go to www.lg.com/ca and select your region, country and language. For more information, visit the various pages of the site. Since PC Suite is on the microSD card, you can simply copy it to your PC.

LG-P690b does not support:

- LG Air Sync (Web Sync, R-Click)
- OSP (On Screen Phone)
- To-do in Calendar
- Memo
- Java application

After installing PC Suite IV, you can find the User Guide in the Help menu.

- 1 Use the USB cable to connect your phone to a USB port on your computer. Once connected, you will receive a notification that a USB connection has been made.
- 2 Open the notification drawer and touch USB connected.
- 3 Touch **Turn on USB storage** to confirm that you want to transfer files between your phone's microSD card and the computer.

You will receive a notification when the phone connects as USB storage. 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. You must uninstall them manually.

Important notice

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.

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

11. Unlocking the screen when using a data connection

Your display goes dark if untouched for a period of time when using a data connection. To turn on your LCD screen, just touch it.

12. Hold your phone straight up

Please hold the mobile phone straight up as a regular phone. The LG-P690b has an internal antenna. Be careful not to scratch or damage the back of the phone, as that causes loss of performance.

While making/receiving calls or sending/receiving data, avoid holding the lower part of the phone where the antenna is located. Doing so may affect call quality.

13. When the screen freezes

If the screen freezes or the phone does not respond when you try to operate it:

Remove the battery, reinsert it, then turn the phone on. If it still does not work, please contact the service centre.

14. Do not connect your phone when you turn on/off your PC.

Make sure you disconnect the data cable between your phone and PC; leaving it connected might cause errors on your PC.

Getting to know your phone

To turn on your phone, press and hold the Power key for 3 seconds.


To turn off the phone, press and hold the Power key for 3 seconds, then touch **Power off** and **OK**.

Speaker

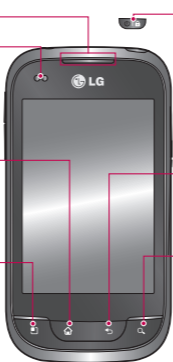
Proximity sensor

Home key 

Return to Home from any screen.

Menu key 

Check what options are available.



Power/Lock key

Switch your phone on/off by pressing and holding this key.

Turn off and lock the screen.

Back key 

Return to the previous screen.

Search key 

Search the web and contents in your phone.

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 can damage the LCD and touch screen functions. Do not cover the protective film on the LCD's proximity sensor. This may cause the sensor to malfunction.



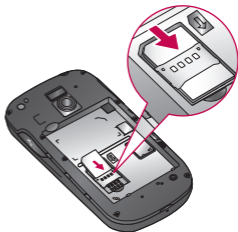
Getting to know your phone

Installing the SIM card and battery

- 1 To remove the back cover, hold the phone in your hand firmly. With the other hand, firmly press your thumb on the back cover. Now lift off the battery cover.



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




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



- 4 Replace the back cover of the phone.



Charging your phone

Slide open the cover of the charger connector on the side. Insert the charger, then plug it into an electrical outlet. Your LG-P690b must be charged before you see .



NOTE: the battery must be fully charged initially to improve battery life time.

Getting to know your phone

Installing the memory card

To store multimedia files, such as images captured using the built-in camera, you must insert a memory card into your phone.

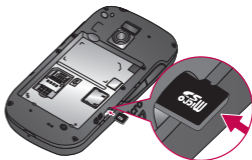
NOTE: the LG-P690b supports memory cards up to 32 GB.

To insert a memory card:

- 1 Remove the back cover.



- 2 Insert the memory card into the slot. Make sure the gold contact area is facing downwards.



WARNING

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

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 the card are deleted when you format the card.

- 1 In the Home screen, touch the **Applications** tab to open the applications menu.
- 2 Scroll to and touch **Settings** > **SD card & phone storage**.
- 3 Touch **Unmount SD card**.
- 4 Touch **Erase SD card**, then confirm your choice.
- 5 If you have set a pattern lock, input the pattern lock then select **Erase Everything**. The card is then formatted and ready to use.

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

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 the LG-P690b, press the power key to lock your phone. This helps prevent accidental presses and saves battery power.

Also, if you do not use the phone for a while, the Home screen or another screen you are viewing is replaced with the lock screen to conserve battery power.

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 the Lock mode to avoid unnecessary charges (e.g. phone calls, Web access and data communications).

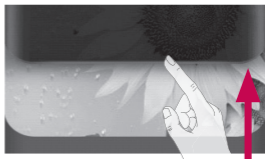
Setting an unlock pattern: you can draw your own unlock pattern by connecting the dots. If you set a pattern, the phone screen locks. To unlock the phone, draw the pattern that you set on the screen.

Caution: when you set an unlock pattern, you need to create your Gmail account first.

Caution: if there are more than 5 pattern drawing errors in a row, you cannot unlock the phone. In this case, your personal information and downloaded data is deleted.

Unlock screen

Whenever your LG-P690b is not in use, it returns to the lock screen. Drag your finger from bottom to top to unlock the screen.



Silent mode

In the notification drawer, touch  to be .

Home

Simply swipe your finger to the left or right to view the panels. You can customise each panel with widgets, shortcuts (to your favourite applications), folders and wallpaper.

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

Your Home screen

In your Home screen, you can view quick keys at the bottom of the screen. Quick keys provide easy, one-touch access to the functions you use the most.



Touch the **Phone** icon to bring up the touch screen dialpad to make a call.



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



Touch the **Message** icon to access the messaging menu. This is where you can create a new message.



Touch the **Applications** tab at the bottom of the screen. You can then view all your installed applications.

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


NOTE: preloaded applications may differ according to your phone's software or your service provider.

Adding widgets to your Home screen

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

- 1 In the Home screen, press the **Menu** key and select **Add**. Or touch and hold the empty part of the home screen.
- 2 In the **Edit Mode** menu, touch the type of item you want to add.
- 3 For example, select **Folders** from the list and tap it.
- 4 You then see a new folder icon on the Home screen. Drag it to the desired location on the desired panel, then take your finger off the screen.

TIP To add an application icon to the Home screen from the **Applications** menu, touch and hold the application you want to add.

TIP To remove an application icon from the Home screen, touch and hold the icon you want to remove, then drag it to .

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

Returning to recently-used applications

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

Notification drawer

The notification drawer runs across the top of your screen.



Touch and slide the notification drawer down with your finger.

Or, in the Home screen, press the **Menu** key and select **Notifications**. Here you can check and manage sound, Wi-Fi, Bluetooth and GPS, Data enable as well as other notifications.

Your Home screen

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're 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

Icon	Description
	Call in progress
	Call hold
	Speakerphone
	Phone microphone is muted
	Missed call
	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

Icon	Description
	Data in and out
	Phone is connected to PC via USB cable
	Downloading data
	Uploading data
	GPS is acquiring
	Receiving location data from GPS
	On-Screen Phone connected
	3 more notifications not displayed
	Data is syncing
	Download finished
	New Gmail
	New Talk message


Icon	Description
	New message
	Song is playing
	Upcoming event
	SmartShare On
	SmartShare sharing request
	USB tethering is active
	Portable Wi-Fi hotspot is active
	Both USB tethering and portable hotspot are active



Your Home screen


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 press and hold to change the writing language.

 Tap to insert an emoticon when 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 characters from different languages.

Then select the special character you want.

Google account setup

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

Creating your Google account

- 1 In the Home screen, touch the **Applications** tab  to open the Applications menu.
- 2 Tap **Gmail**, then tap **Create** to start the Gmail setup wizard.
- 3 Enter your name and User name for your Google account.
- 4 Tap **Next**. Your phone is now communicating with Google servers and checking User name availability.
- 5 Enter and re-enter your password. Follow the instructions and enter the required and optional

information about your account. Wait while the server creates your account.

Signing in to your Google account

- 1 Enter your email address and password, then tap **Sign In**. Wait while the system signs you in.
- 2 After signing in, you can use Gmail™ and take advantage of Google services on your phone.
- 3 Once you have set up your Google account on your phone, your phone automatically synchronises with your Google account on the Web. (This depends on your synchronisation settings)

After signing in, you can use other Google services on your phone.





Google account setup


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 on your phone, be sure to sign in to the one you want to use with applications such as Calendar 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 do not sign in to a Google account during setup, you are asked to sign in or 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 in to that account.


Calls

Making a call

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


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

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 your phone rings, drag the **Answer** icon  to the right.



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

Touch the **Excuse Msg** bar if you want to send one.


Adjusting call volume

To adjust the in-call volume during a call, use the Volume Up and Down key on the left side of the phone.

Making a second call


- 1 During your initial call, press the **Menu** key select .
- 2 Dial the number, or search your contacts.
- 3 Touch the **Call** icon  to connect the call.

Calls

- Both calls are displayed on the call screen. Your initial call is locked and put on hold.
- Touch the displayed number to toggle between calls. Or touch  **Merge calls** to make a conference call.
- To end active calls, touch **End** or press the **Home** key and slide the notification bar down and select **End call**.

NOTE: you are charged for each call you make.

Viewing your call logs

In the Home screen, touch  and choose the **Call log** tab.

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

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

TIP Press 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.


- In the Home screen, touch the **Applications** tab to open the applications menu.
- Scroll and touch **Settings**.
- Tap **Call settings** and choose the options that you want to adjust.

Contacts



Add contacts to your phone and synchronise them with the contacts in your Google account or other accounts that support contact syncing.


Searching for a contact

In the Home screen

- 1 Touch  to open your contacts.
- 2 Touch **Search** and enter the contact name using the keyboard.

Adding a new contact


- 1 Touch , enter the new contact's number, then press the **Menu** key. Touch **Add to contacts** and then **Create new contact**.
- 2 If you want to add a picture to the new contact, touch . Choose from **Capture picture** or **Pick from Gallery**.

- 3 Select the contact type by touching .
- 4 Touch a category of contact information and enter the details about your contact.
- 5 Touch **Save**.

Favourite contacts

You can classify frequently called contacts as favourites.

Adding a contact to your favourites

- 1 Touch  to open your contacts.
- 2 Touch a contact to view its details.
- 3 Touch the star to the right of the contact's name. The star turns gold.

Removing a contact from your favourites list

- 1 Touch  to open your contacts.

Contacts


- 2 Touch the Group tab, select Favourites at the top of the list and choose a contact to view its 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/email


Messaging

Your LG-P690b combines SMS and MMS into one intuitive, easy-to-use menu.

Sending a message

- 1 Touch the  icon, then touch **New message**.
- 2 Enter a contact name or call number into the **To** field. As you enter the contact name, matching contacts appear. Touch a suggested recipient. You can add multiple contacts.
NOTE: you are charged for one text message for every person you send the message to.
- 3 Touch **Enter message** field to start entering your message.

TIP Press the **Menu** key to open the options menu. Choose from **Add subject**, **Discard**, **Attach**, **Insert smiley** and **All messages**.

TIP You can touch the  icon to attach a file to your message.

- 4 Touch **Send** to send 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 the language and how the SMS is coded.

WARNING

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

Messaging/email

NOTE: when you get an SMS message during a call, you receive a notification.

Changing your message settings

Your LG-P690b message settings are predefined so that you can send messages immediately. You can change the settings based on your preferences.

Touch the **Messaging** icon in the Home screen and press the **Menu** key, then tap **Settings**.

Setting up your email

Touch the **Applications** tab and select **Email**. If the email account is not set up, you need to start the email setup wizard.

TIP If an email account is already set up, the wizard is not activated.

You can select the mailbox type from **MS Exchange** and **Others**.

Microsoft Exchange email account

Email address – enter the email address.

Username – enter the account username.

Password – enter the account password.

Domain – enter the account domain name (optional).

Server address – enter the server address.

Use SSL – choose whether to use SSL for Microsoft Exchange also to accept all SSL certificates.

Sync contacts – choose whether to synchronise the Microsoft Exchange account contacts.

Sync calendar – choose whether to synchronise the Microsoft Exchange account calendar.

Touch the **Next** button to connect to the server.

The **Setup complete** screen appears and you need to enter a “name” for the account and your name.

The account will now appear in the list of accounts.

Other (POP3, IMAP) email account

Email address – enter the email address.

Password – enter the account password.

The **Setup complete** screen will appear and you will need to enter a “name”.

The account will now appear in the list of accounts.

Incoming server – enter the incoming email server address.

Port number – each account’s default number is displayed.

Secure type – choose from TLS, SSL and Off.

Outgoing server – enter the outgoing email server address.

Port number – each account’s default number is displayed.

SMTP secure type – choose from TLS, SSL and Off.

Accounts screen

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

Touch the **Application** tab and select **Email**. The **Account list** screen appears.

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

Messaging/email

Composing and sending email

To compose and send a message:

- 1 In the **Email** application, press the **Menu** key and then **Compose**.
- 2 Enter an address for the message's recipient. As you enter text, matching addresses from your list of contacts are suggested. Separate multiple addresses with commas.
- 3 Press the **Menu** key and **Add Cc/Bcc** to Cc or Bcc other contacts/email addresses.
- 4 Enter the text of the message body.
- 5 Touch **Add attachment** to attach a file to your message.
- 6 Touch **Send**.
If you're not ready to send the message, press the **Menu** key and then **Save as draft** to save it to the **Drafts** folder. Touch

the draft message in the **Drafts** folder to resume working on it. Your message is also saved as a draft if you touch the **Back** key  before sending it. Touch **Discard** to abandon and delete a message, including a saved draft. If you aren't connected to a network, for example if you're working in airplane mode, the messages you send are stored in your **Outbox** folder until you connect to a network. If it contains any pending messages, the **Outbox** is displayed on the **Accounts** screen.

Please note that messages sent using an Exchange account are not located on the phone; they are located on the Exchange server itself.

If you want to see your sent messages in the **Sent** folder (or with the **Sent** label), you often

need to open the **Sent** folder/label and select **Refresh** from the Options menu.

TIP When a new email arrives in the inbox, you will receive a notification by sound or vibration. Tap the email notification to stop notifications.

Working with account folders

Each account has **Inbox**, **Outbox**, **Sent** and **Drafts** 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 **Applications** tab, then select **Email**.
- 2 Select **MS Exchange** or **Others**.
- 3 Enter the information for adding the account. (Refer to 'Setting up your email'.)
- 4 Enter a name to set how you want your name to appear in outgoing mail, then touch **Done**.

To change account settings

- 1 Open the **Accounts** screen.
- 2 Touch and hold the account you want to change. In the menu that opens, touch **Account Settings**.

To delete an email account

- 1 Open the **Accounts** screen.
- 2 Touch and hold the account you want to delete.
- 3 Touch **Remove account** in the menu that opens, then touch **OK** in the dialog box to confirm.

Camera

Getting to know the viewfinder

Brightness - this defines and controls 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.

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



Video mode - slide this icon down 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'.

Image size – touch to set the size (in pixels) of the picture you take.

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

TIP Close all shortcut options to give a clearer viewfinder screen. Touch the centre of the viewfinder once. To display the options, touch the screen again.

Taking a quick photo

- 1 Open the **Camera** application.
- 2 Hold the phone horizontally and point the lens towards the subject you want to photograph.
- 3 In the centre of the viewfinder screen, a focus box starts blinking as it tries to get the subject in focus.
- 4 The focus box turns green when the subject is in focus.
- 5 Press the capture button. You can press the capture button whether the focus box is green or not.
- 6 Press the capture  button.

Once you've taken the photo

Your captured photo appears on the screen.

Share Touch to share your photo using **SmartShare, Bluetooth, Email, Gmail, Messaging, Picasa** or **Social+**.

NOTE: additional charges may apply when MMS messages are downloaded while roaming.



TIP If you have an SNS account and set it up on your phone, you can share your photo with the SNS community.

Set as Touch to use the image as a **Contact icon** or **wallpaper**.

Rename Touch to edit the name of the selected picture.

 Touch to delete the image.

Camera

-  Touch to take another photo immediately. Your current photo is saved.
-  Touch to view a gallery of your saved photos.

Using the advanced settings

In the viewfinder, touch  to open all advanced options.

Change camera settings by scrolling through the list. After selecting the option, touch the **Back** key.

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

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

Colour effect – choose a colour tone for your new photo.

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

Image quality – choose from **Super fine**, **Fine** and **Normal**. The finer the quality, the sharper the photo. However, the file size increases as a result, which means you can store fewer photos in the memory.


Auto review – if you turn **Auto review** on, it automatically shows you the picture you just took.


Shutter sound – select one of 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 only available when GPS is active.


 – Restore all camera default settings.

 – Touch whenever you want to know how this function operates. This provides you with a quick guide.

TIP When you exit the camera, some settings return to their defaults, such as white balance, colour effect, timer and scene mode. Check these before you take your next photo.

TIP The Settings menu is superimposed over the viewfinder so, when you change elements of the image colour or quality, you see a preview of the image change behind the Settings menu.

Viewing your saved photos

Access your saved photos while in **Camera** mode. Just touch  and touch the screen. You then see **Slideshow** and **Menu**.

TIP Flick left or right to view other photos or videos.



- Touch to see a slideshow.



- Touch to share the contents or delete a photo. Touch **More** for more options.

Details – check information on the content.

Set as – set as a 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

Brightness - this defines and controls 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.

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



Camera mode - slide this icon up 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'.

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

Video size – touch to set the size (in pixels) of the video you record.

Shooting a quick video

- 1 Slide the **Camera** mode button down and the icon changes to .
- 2 The video camera viewfinder appears on the screen.
- 3 Holding the phone horizontally, point the lens towards the subject you want to capture in your video.
- 4 Press the Record  button once to start recording.
- 5 REC appears at the bottom of the viewfinder with a timer showing the length of the video.
- 6 Touch  on the screen 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 using **SmartShare, Bluetooth, Email, Gmail, Messaging** or **YouTube**.

NOTE: additional charges may apply when MMS messages are downloaded while roaming.

Rename

Touch to edit the name of the selected video.



Touch to shoot another video right away. Your current video is saved.



Touch to delete the video you just made. Confirm by touching **Yes**. The viewfinder reappears.



Touch to view a gallery of your saved videos.

Video camera

Using the advanced settings

Using the viewfinder, touch  to open all the advanced options.

Adjust the video camera setting by scrolling through the list. After selecting the option, touch the **Back** key.


White balance – white balance ensures that the 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**.


Colour effect – choose a colour tone to use for your new view.

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


Audio recording – choose **Mute** to record a video without sound.

Auto review – auto review automatically shows you the video you just recorded.

 – Restore all video camera default settings.

 – Touch if you want to know how this function operates. This provides you with a quick guide.

Watching your saved videos

- 1 In the viewfinder, touch .
- 2 Your gallery appears on the screen.
- 3 Touch a video once to bring it to the front of the gallery. It starts playing 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 left-hand side of the phone.

Multimedia

You can store multimedia files on a memory card to have easy access to all your image and video files.

Touch the **Applications** tab, then select **Gallery**. Open a list of catalogue bars that store all your multimedia files.


NOTE: make sure you install a memory card in the phone to save photos and access all your pictures. Without a memory card, the phone does not display photos or videos without Picasa images, which are in your Picasa album.

View model

Touch **Gallery**. Folder view is displayed.

Touch any folder and it turns to grid view mode. If you tap a photo, it changes into full view mode.

Timeline view

LG-P690b **Gallery** provides a timeline view of your photos and videos. In grid view mode, drag  to the right and the date you took your photos is displayed, starting with the most recent. If you select a specific date, all the photos you took on that day are grouped.

Using SmartShare

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

* Share your media contents with other DLNA devices (DMS)

- 1 In the Home screen, touch the **Applications** tab and select **SmartShare**.

Multimedia

2 Press the **Menu** key and select **Settings**.

3 Touch the SmartShare tickbox to turn on.

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

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

1 Touch the top right button to select the device from a list of renderers.

2 Touch the top left button and select a remote content library.

3 You can browse the remote content library.

4 Touch a content thumbnail or press the **Menu** key and select the Play button.

Notice: check that your device is connected to your home network using a Wi-Fi connection in order to use this application.

Notice: some DLNA-enabled devices (e.g. TV) support only DMP features of DLNA and will not appear in the renderer device lists.

Music


Your LG-P690b has a built-in music player that lets you play all your favourite tracks. To access the music player, On the home screen, touch the Applications tab and select **Music**.


Playing a song



1 In 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 beginning of the song. Touch  twice to return to the previous song.

To change the volume while listening to music, press the up and down volume keys on the left-hand side of the phone.

Touch and hold any song in the list. It displays **Play, Add to palylist, Delete, Search** as options.

NOTE: music file copyrights may be protected by international treaties and national copyright laws.

Therefore, it may be necessary to obtain permission or a license to reproduce or copy music.

In some countries, national laws prohibit private copying of copyrighted material. Before downloading or copying the file, check the national laws of the relevant country concerning the use of such material.

Transferring files using USB mass storage devices

To transfer files using USB devices

- 1 Connect the LG-P690b to a PC using a USB cable.
- 2 If you haven't installed LG Android Platform Driver on

Multimedia

your PC, you need to change the settings manually. Choose **Settings > SD card & phone storage**, then select **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: you need to install an SD card first. Without an SD card, you cannot use USB mass storage.

NOTE: if you installed LG Android Platform Driver, you will immediately see a pop-up saying Turn on USB storage.

How to save music/video files on your phone

1 Connect your phone to the PC using the USB cable. In the Home screen, touch and drag the status bar down. Select **USB connected > Turn on USB storage**. **Open folder to view files in your PC.**

If you didn't install LG Android Platform Driver on your PC, you must set it up manually. For more information, refer to 'Transferring files using USB mass storage devices'.

2 Save music or video files from the PC to the phone's removable storage.

- You can copy or move files from your PC to your phone's removable storage using a card reader.
- If there is a video file with a subtitle file (*.srt file with the same name as the video file), place it in the same folder to display subtitles automatically when playing the video file.
- When downloading music or video files, copyrights must be secured. Note that corrupted files or files with incorrect extensions may damage your phone.

Moving contacts from your old phone to your new phone

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

- 1 Download PC Suite IV from www.lg.com/ca and install it on the PC. Run the program and connect your Android mobile phone to the PC using the USB cable.
- 2 Select the **Contacts** icon. Go to **Menu > File > Import** and select the CSV file saved on your PC.
- 3 If the fields in the imported CSV file are different from those in PC Suite IV, you need to map the fields. After mapping the fields, click OK. The contacts are then added to PC Suite IV.
- 4 If PC Suite IV detects the connection of your LG-P690b

phone (using the USB cable), click Sync or Sync contacts to synchronise the contacts saved on your PC with your phone.

Sending data from your phone using Bluetooth

Sending data using Bluetooth

You can use Bluetooth to send data by running a corresponding application, not from the Bluetooth menu as on most other mobile phones.

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

Multimedia



Share > Bluetooth. Check whether Bluetooth is turned on, then select **Scan for devices**. Choose the device you want to send data to from the list.

- * **Sending multi-selected contacts:** Run the Contacts application. To select more than one contact, press the Menu key and touch **Share > Select All > Share > Bluetooth** or **Email** or **Gmail** or **Messaging**.
- * **Connecting to FTP (only FTP server is supported on this handset):** select **Settings > Wireless & networks > Bluetooth Settings**. Select the **Discoverable** box so you can search for your phone on other devices. Find the FTP service and connect to the FTP server.
- If you want to search for this phone from other devices, go to **Settings > Wireless**

& networks > Bluetooth Settings. Select the **Discoverable** box. The box is cleared after 120 seconds.

Utilities

Setting your alarm

- 1 In the Home screen, touch the **Applications** tab and select **Clock**.
- 2 If you want to add a new alarm, touch  and select **Add alarm**.
- 3 Set the time, then touch  to turn on the alarm. After you set the time, the LG-P690b lets you know how much time is left before the alarm will sound.
- 4 Set **Repeat**, **Ringtone** or **Vibrate**, then add a label to name the alarm. Touch **Done**.

NOTE: to change alarm settings on alarm list screen, press the **Menu** key and select **Settings**. You can adjust the below options: **Alarm in silent mode**, **Alarm volume**, **Snooze duration** and **Side button behaviour**.

Using your calculator

- 1 In 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, press the **Menu** key, touch the **Advanced** panel, then choose sin, cos, tan, log and so on.

Adding an event to your calendar

- 1 In 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. Touch **New event**.

Utilities

- 3 Touch **What** then enter the event name. Check the date and enter the time you want your event to start and finish.
- 4 Also, touch **Where** then enter the location.
- 5 If you want to add a note to your event, touch **Description** and enter the details.
- 6 If you want to repeat the alarm, set **Repetition**, and set **Reminders**, if necessary.
- 7 Touch **Done** to save the event in the calendar. A coloured square in the calendar marks all days that have saved events. An alarm sounds at the event start time to help you stay organised.




Changing your calendar view


- 1 In the Home screen, touch the **Applications** tab and select **Calendar**. Press the **Menu** key.
- 2 Select the calendar view for a particular day, week or month.

Voice recorder

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

Recording a sound or voice

- 1 In the Home screen, touch the **Applications** tab and select **Voice Recorder**.
- 2 Touch  to begin recording.
- 3 Touch  to end the recording.
- 4 Touch  to listen to the recording.

NOTE: touch  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 is added to the message, then you write and send the message normally.


The Web


Browser


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


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


Using the web toolbar

 Touch to go backwards one page.

 Touch to go forwards one page to the one you connected to after the current page. This is the opposite of what happens when you press the **Back** key, which goes to the previous page.

 Touch to show all your open windows.

 Touch to add new window.


 Touch to change web browser settings.


 Add/show bookmark and show **Most visited**, **Read it later** and **History**.


Using options


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

 **Read it later** – add the current web page as a bookmark.

 **Add RSS feed** – add the current web page to the RSS feed.

 **Share page** – allows you to share the web page with others.

 **Find on page** – allows you to find letters or words on the current web page.

 **Select text** – allows you to copy any text from the web page.



More

- **Home page:** go to the Home page.
- **Set Home page:** set the current web page as your Home page.
- **Add shortcut to Home:** add the shortcut of the current web page to the Home screen.
- **Page info:** displays the web page information.
- **Downloads:** displays your download history.

TIP To return to the previous web page, press the **Back** key.

Settings

In the Home screen, touch the **Applications** tab then scroll to and touch **Settings**.

Wireless & networks

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

Airplane mode – after switching to airplane mode, all wireless connections are 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. Press 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-P690b into the router.

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

Bluetooth – touch to tick: This turns on Bluetooth to connect to Bluetooth devices.

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

Tethering & portable hotspot

– you can configure the USB tethering and portable Wi-Fi hotspot settings.

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

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

Call settings

< Fixed Dialing Numbers >

Select **Fixed Dialing Numbers** to turn on and compile a list of numbers that can be called from your phone. You'll need your PIN2, 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 >

TTY mode – A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Settings

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack.

If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

Excuse messages – when you want to reject a call, you can send a quick message using this function. This is useful if you need to reject a call during a meeting.

Call forwarding – choose whether to divert all calls, when the line is busy, when there is no answer or when you have no signal.

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 reject – You can add the phone numbers of the person whose call you want to reject. You can add new number in **Call reject list > Option > Add new number**. The incoming calls received from the Call rejection list numbers will be automatically rejected. In call log, rejected icon would be shown for such calls.

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 calls including all calls, dialed calls, received calls and last call.

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).

Sound

< General >

Silent mode – allows you to silence all sounds (including call and notification ringtones) except the audio from music and 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 untick the option to use the incoming call volume for notifications, you can set the volume for incoming calls and notifications 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 dialpad 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.

Settings

Display

Brightness – adjust the screen brightness.

Auto-rotate screen – set to switch orientation automatically when you rotate the phone.

Animation – set to display an animation.

Screen timeout – set the time for screen timeout.

Location & security

Use wireless networks – if you select **Use wireless networks**, your phone determines your approximate location using Wi-Fi and mobile networks. When you select this option, you're asked whether you consent to allowing Google to use your location when providing these services.

Use GPS satellites – if you select **Use GPS satellites**, your phone determines your location to street

level accuracy.

Set up screen lock – set an unlock pattern to secure your phone. Opens a set of screens that guide you through drawing a screen unlock pattern. You can set a **PIN** or **password** instead of a **pattern** or leave it as **None**.

When you turn on your phone or wake up the screen, you're asked to draw your unlock pattern to unlock the screen.

Set up SIM card lock – set up SIM card lock or change the SIM PIN.

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

Select device administrators – add one or more administrators.

Use secure credentials – allows you to access secure certificates.

Install from SD card – choose to install encrypted certificates from your SD card.

Set password – set or change the credential storage password.

Clear storage – clear credentials for all content and reset password.

PIN Code Request – When the PIN code request feature is set, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval. Take extra care when using this feature as it could lock your SIM card.

Note: Before setting the PIN code request feature to Off, you must enter your PIN. Default PIN values: PIN1 is 1111 and PIN2 is 2222.

Important: Please take note of your default PIN code. If the PIN code is entered incorrectly

3 times, the SIM will be locked and the phone will not be usable. Once the SIM is locked, it won't be unlocked even if you try to use it on another phone. The phone will prompt to ask for PUK Code. Do not attempt to guess the code, it may permanently lock your SIM card. Please contact the operator for further assistance.

The following options are available:

- **On:** You must enter the PIN each time the phone is switched on.
- **Off:** The phone connects directly to the network when you switch it on.
- **Change Codes:** The Change codes feature allows you to change your current password to a new one. You must enter the current password before you can specify a new one. You can

Settings

change the access codes for:
Security Code, PIN1, PIN2

Applications

You can manage applications and set up quick launch shortcuts.

Unknown sources – default setting to install non-Market applications.

Manage applications – manage and remove installed applications.

Running services – check services that are currently running.

Storage use – view storage used by applications.

Battery usage – see what has been using the battery.

Development – set options for application development.

Accounts & sync

< **General sync settings** >

Background data – permits applications to synchronize data in the background, whether or not you are actively working in them. Unticking this setting can save battery power and lowers (but does not eliminate) data usage.

Auto-sync – permits applications to synchronize, send and receive data to 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 the 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 licence.

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 re-enter the same information that you did when you first started Android.

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 **Mass storage only** as a default setting of the USB connection mode.

< **SD card** >

Check total available SD card space. Touch **Unmount SD Card** for safe removal. **Erase SD Card** if you want to delete all data from the SD card.

< **Internal storage** >

Checks the available space.

Language & keyboard

Set Device Language and keyboard settings.

Settings

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 speech to enter text.
- **SafeSearch:** opens a dialog where you can set whether you want the Google SafeSearch filter to block some results.
- **Block offensive words:** when unticked, Google voice recognition will recognize and transcribe words many people consider offensive, when you use speech to enter text. When ticked, Google voice recognition replaces those words in transcriptions with a placeholder comprised of hash symbols (#).

< Voice output >

Text-to-speech settings – use the **Text-to-speech settings** to configure the Android text-to-speech synthesizer for applications that can use this feature.

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 synthesizer, using your current settings.
- **Always use my settings:** tick to use the settings on this screen in place of speech synthesizer 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

synthesizer 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 synthesizer to speak.
- **Language:** opens a dialog where you can select the language of the text you want the synthesizer 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 accessibility plug-ins you have installed on your phone.

NOTE: requires additional plug-ins.

Date & time

Use **Date & time** settings to set your preference 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).

Settings


Enjoy wireless Internet using Wi-Fi, without extra charges.

Turning on Wi-Fi

From the Home screen, open the notification drawer and touch .

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

Connecting to Wi-Fi

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

NOTE:

- if you are outside the Wi-Fi coverage area and choose 3G connection, additional charges may apply.
- If your phone goes into sleep mode when connected to Wi-Fi, the Wi-Fi connection is automatically disabled.




- In this case, if your phone has access to 3G data, it may connect to the 3G network automatically and additional charges may apply.
- The LG-P690b supports WEP, WPA/WPA2-PSK and 802.1x EAP security. If your Wi-Fi service provider or network administrator sets encryption for network security, enter the key into the pop-up window. If encryption is not set, this pop-up window is not shown. 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 a time 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: additional costs may be incurred when connecting and using online services. Check data charges with your network provider.

USB tethering & portable Wi-Fi hotspot settings

- 1 In 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 – tick to share your phone’s mobile network data connection with your computer via a USB connection.

Portable hotspot – tick to share your phone’s mobile network data connection as Wi-Fi sharing.

Settings


Help – opens a dialog with information about USB tethering and portable Wi-Fi hotspots as well as information on 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 don't usually 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 In the Home screen, touch the **Applications** tab and select **Settings**.
- 3 Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 4 Tick **USB tethering**.
 - The phone starts sharing its mobile network data connection with your computer via the USB connection. An ongoing notification  is added to

the status bar and notifications drawer.

- 5 Untick **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 In the Home screen, touch the **Applications** tab and select **Settings**.
- 2 Touch **Wireless & networks** and select **Tethering & portable hotspot**.
- 3 Tick **Portable 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.

- When **Portable hotspot** is ticked, you can change its network name or secure it.
- 4 Untick **Portable 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 In 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.

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 pre-shared 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 cannot prevent unauthorised usage of online services by other people and additional charges can be incurred. To avoid unauthorised usage, you are advised to keep the security option active.

- 6 Touch **Save**.

Software update

Phone software update

LG Mobile phone software update from the Internet

For more information about 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 on your phone to a newer version conveniently from the Internet without needing 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 you 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 selected models at its own discretion and does not guarantee the availability of the newer version of the firmware for all handset models.

DivX Mobile **DivX**

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-

Software update

Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

DivX Certified® to play DivX® video up to 320x240

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Notice:

Open Source Software

To obtain the corresponding source code under GPL, LGPL, MPL and other open source licences, please visit <http://opensource.lge.com/>

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

Accessories

These accessories are available for use with the LG-P690b.
(Items described below may be optional.)

**Travel
adapter**



Data cable

Connect your
LG-P690b and
PC.



Battery



User Guide

Learn more
about your LG-
P690b.



**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: 131°F(55°C) (discharging), 113°F(45°C) (charging)

Min: 14°F(-10°C)

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 fix 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	Signal is weak or you are outside the carrier network. Operator applied new services.	Move towards a window or into an open area. Check the network operator coverage map. Check whether the SIM card is more than 6~12 months old. If so, change your SIM at your network provider's nearest branch. Contact your service provider.
Codes do not match	To change a security code, you will need to confirm the new code by re-entering it. The two codes you have entered do not match.	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.

Troubleshooting

Message	Possible causes	Possible corrective measures
Calls not available	Dialing error New SIM card inserted. Pre-paid charge limit reached.	New network not authorised. Check for new restrictions. Contact service provider or reset limit with PIN2.
Phone cannot be switched on	On/Off key pressed too briefly. Battery is not charged. Battery contacts are dirty.	Press the On/Off key down for at least two seconds. Charge battery. Check charging indicator on the display. Clean the battery contacts.
Charging error	Battery is not charged. Outside temperature is too hot or cold. Contact problem No voltage Charger defective Wrong charger Battery defective	Charge battery. Make sure phone is charging at a normal temperature. Check the charger and connection to the phone. Check the battery contacts and clean them if necessary. Plug the charger into a different socket. If the charger does not warm up, replace it. Only use original LG accessories. Replace battery.

Message	Possible causes	Possible corrective measures
Number not permitted	The Fixed dialling number function is on.	Check the Settings menu and turn the function off.
Impossible to receive / send SMS & picture	Memory full	Delete some messages from the phone.
Files not opening	Unsupported file format	Check the file formats that can be supported.
SD card not working	FAT16, FAT32 file system supported	Check SD card file system via card reader, or format SD card using the phone.
The screen does not turn on when I receive a call.	Proximity sensor problem	If you use any protection tape or case, check to see if it has covered the area around the proximity sensor. Make sure that the area around the proximity sensor is clean.
No sound	Vibration 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 the battery, insert it again and switch on the phone. Try to perform a software update via the website.

Troubleshooting

Message	Possible causes	Possible corrective measures
Phone locked and does not function.	Restarting the phone	<ol style="list-style-type: none"><li data-bbox="491 199 705 231">1. Turn the phone off.<li data-bbox="491 240 778 273">2. Remove the battery cover.<li data-bbox="491 282 695 315">3. Install the battery.<li data-bbox="491 323 674 356">4. Close the cover.<li data-bbox="491 365 767 398">5. Turn the phone on again.

LIMITED WARRANTY STATEMENT

1. WHAT THIS WARRANTY COVERS:

LG offers you a limited warranty that the enclosed subscriber unit and its enclosed accessories will be free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the product extends for ONE (1) year beginning on the date of purchase of the product by the original end user.
2. The limited warranty extends only to the original end user of the product and is not assignable or transferable to any subsequent purchaser/end user.
3. This warranty is good only to the original end user of the product during the warranty period as long as it is in Canada.
4. Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
5. During the applicable warranty period, LG will repair or replace at LG's sole option, without charge to the original end user, any defective component part of the phone or accessory.
6. LG may use rebuilt, reconditioned or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned or new product.

2. WHAT THIS WARRANTY DOES NOT COVER:

1. Defects or damages resulting from use of the product in other than its normal and customary manner.
2. Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation or other acts which are not the fault of LG, including damage caused by spills of food or liquids.
3. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
4. The fact that the Customer Service Department at LG was not notified by the original end user of the alleged defect or malfunction of the product, during the warranty period.

5. Products which have had their serial numbers removed or made illegible.
6. Damage resulting from use of non-LG approved accessories.
7. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
8. Products serviced by non-authorized persons or companies.

Notes:

1. This limited warranty supersedes all other warranties, expressed or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose.
2. Shipping damage is the sole responsibility of the shipping company.

3. EXCLUSION OF LIABILITY:

No other express warranty is applicable to this product.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG ELECTRONICS CANADA, INC. SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

4. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call the following telephone number from anywhere in Canada:

LG Electronics Canada, Inc.

Tel. 1-888-LG-Canada (1-888-542-2623)

http://www.lg.com/ca_en (see links to "Support > Mobile phone support")



LG

Electronics Canada Inc.
Mississauga, Ontario