English

LG-P769 User Guide

This guide helps you get started using your phone.

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

- 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

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage.

WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.
Wash hands after handling.

⚠Caution

Violation of the instructions may cause minor or serious damage to the product.

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Repairs under warranty, at LG's option, may include replacement parts or boards that are either new or reconditioned, provided that they have functionality equal to that of the parts being replaced.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725-200x. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.

- Improper battery use may result in a fire, explosion or other hazard.
- For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.
- Insert the battery pack charger vertically into the wall power socket.
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Use the correct adapter for your phone when using the battery pack charger abroad.

Battery Information and Care

- Please read the manual of proper installation and removal of the battery.
- Please read the manual of specified charger about charging method.
- Do not damage the power cord by bending, twisting, or heating. Do not use the plug if it is loose as it may cause electric shock or fire.
  Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause electric shock or fire.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it's dirty. When using the power plug, ensure that it's firmly connected. If 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 short-circuit the phone. Short-circuit of the terminal may damage the battery and cause an explosion. Always cover the receptacle when not in use.
- Recharge the battery after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions.

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- Never store your phone in temperature less than -4 °F or greater than 122 °F.
- Charging temperature range is between 32 °F and 113 °F. Do not charge the battery out of recommended temperature range. Charging out of recommended range might cause the generating heat or serious damage of battery. And also, it might cause the deterioration of battery's characteristics and cycle life.
- Do not use or leave the battery under the blazing sun or in heated car by sunshine. The battery may generate heat, smoke or flame. And also, it might cause the deterioration of battery's characteristics or cycle life.
- The battery pack has protection circuit to avoid the danger. Do not use near places that can generate static electricity more than 100V which could damage the protection circuit. Damaged protection circuits may generate smoke, rupture or ignite.
- When using the battery for the first time, if it emits a bad smell, you see rust on it, or anything else abnormal, do not use the equipment and bring the battery to the shop which it was bought.
- Keep batteries away from babies and small children. If children use the battery, their parents or legal guardians are responsible for supervising and teaching them about the safe handling of batteries and how to use batteries according to the manual with care.
- If liquid from the battery rubs against skin or clothing, wash with fresh water. It may cause the skin inflammation. Remove and do not use the battery. Be careful that children do not swallow any parts (such as earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation resulting in serious injury or death.
- 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 place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. This could cause a fire.

- Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand.

Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Sunscreen lotion

Do not expose or wear your device to any liquid like sunscreen lotion.

Doing so may cause your device to or damage to the mobile device.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device.

Wipe it with a soft cloths lightly dampened in a mild soap-and-water solution.

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Shock or vibration

Do not drop, knock, or shake the mobile device.

Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device'smoving parts or ventilation openings and prevent proper operation.

General Notice

- 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.
- 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 Center to replace the damaged antenna.
- 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. (Ringtones, 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 ringtone to vibration so you don't disturb others.
- Do not turn your phone on or off when putting it to your ear.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact

in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.

Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

FCC Part 15 Class B Compliance

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that causes undesired operation.

Part 15.21 statement

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. if this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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- Consult the dealer or an experienced radio/TV technician for help.

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.

Bodily Contact During Operation

This device was tested for typical use with the back of the phone kept 0.39 inches (1 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1 cm) 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. Avoid the use of accessories that cannot maintain 0.39 inches (1 cm) distance between the user's body and the back of the phone and have not been tested for compliance with FCC RF exposure limits.

Vehicle-Mounted External Antenna

(Optional, if available.)

To satisfy FCC RF exposure requirements, keep 8 inches (20 cm) between the user / bystander and vehicle-mounted external antenna. For more information about RF exposure, visit the FCC website at www.fcc.gov.

Caution

Use only the supplied antenna. Use of unauthorized antennas (or modifications to the antenna) could impair call quality, damage the phone, void your warranty and/or violate FCC regulations.

Don't use the phone with a damaged antenna. A damaged antenna could cause a minor skin burn. Contact your local dealer for a replacement antenna.

Consumer Information About Radio Frequency Emissions

Your wireless phone, which contains a radio transmitter and receiver, emits radio frequency energy during use. The following consumer information addresses commonly asked questions about the health effects of wireless phones.

Are wireless phones safe?

Scientific research on the subject of wireless phones and radio frequency ("RF") energy has been conducted worldwide for many years, and continues. In the United States, the Food and Drug Administration ("FDA") and the Federal Communications Commission ("FCC") set policies and procedures for wireless phones. The FDA issued a website publication on health issues related to cell phone usage where it states, "The scientific community at large … believes that the weight of scientific evidence does not show an association between exposure to radiofrequency (RF) from cell phones and adverse health outcomes. Still the scientific community does recommend conducting additional research to address gaps in knowledge. That research is being conducted around the world and FDA continues to monitor developments in this field. You can access the joint FDA/FCC website at http://www.fda.gov (under "C" in the subject index, select Cell Phones > Research). You can also contact the FDA toll-free at (888) 463-6332 or (888) INFO-FDA. In June 2000, the FDA entered into a cooperative research and development agreement through which additional scientific research is being conducted. The FCC issued its own website publication stating that "there is no scientific evidence that proves that wireless phone usage can lead to cancer or a variety of other problems, including headaches, dizziness or memory loss."

For Your Safety

This publication is available at http://www.fcc.gov/oet/rfsafety or through the FCC at (888) 225-5322 or (888) CALL-FCC.

What does “SAR” mean?

In 1996, the FCC, working with the FDA, the U.S. Environmental Protection Agency, and other agencies, established RF exposure safety guidelines for wireless phones in the United States. Before a wireless phone model is available for sale to the public, it must be tested by the manufacturer and certified to the FCC that it does not exceed limits established by the FCC. One of these limits is expressed as a Specific Absorption Rate, or “SAR.” SAR is a measure of the rate of absorption of RF energy in the body. Tests for SAR are conducted with the phone transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that the SAR of handheld wireless phones not exceed 1.6 watts per kilogram, averaged over one gram of tissue.

Although the SAR is determined at the highest power level, the actual SAR value of a wireless phone while operating can be less than the reported SAR value. This is because the SAR value may vary from call to call, depending on factors such as proximity to a cell site, the proximity of the phone to the body while in use, and the use of hands-free devices. 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.

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 ZNFP769 .

For more information about SARs, see the FCC's OET Bulletins 56 and 65 at http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins or visit the Cellular Telecommunications Industry Association website at http://www.ctia.org/consumer_info/index.cfm/AID/10371. You may also wish to contact the manufacturer of your phone.

Can I minimize my RF exposure?

If you are concerned about RF, there are several simple steps you can take to minimize your RF exposure. You can, of course, reduce your talk time. You can place more distance between your body and the source of the RF, as the exposure level drops off dramatically with distance. The FDA/FCC website states that "hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit." Also, if you use your wireless phone while in a car, you can use a phone with an antenna on the outside of the vehicle. You should also read and follow your wireless phone manufacturer's instructions for the safe operation of your phone.

Do wireless phones pose any special risks to children?

The FDA/FCC website states that "the scientific evidence does not show a danger to users of wireless communication devices, including children." The FDA/FCC website further states that "some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all". For example, the Stewart Report from the United Kingdom ["UK"] made such a recommendation in December 2000. In

this report a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. [The UK's] recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists. A copy of the UK's leaflet is available at http://www.dh.gov.uk (search "mobile"), or you can write to: NRPB, Chilton, Didcot, Oxon OX11 ORQ, United Kingdom. Copies of the UK's annual reports on mobile phones and RF are available online at www.iegmp.org.uk and http://www.hpa.org.uk/radiation/ (search "mobile"). Parents who wish to reduce their children's RF exposure may choose to restrict their children's wireless phone use.

Where can I get further information about RF emissions?

For further information, see the following additional resources (websites current as of April 2005):

U.S. Food and Drug Administration

FDA Consumer magazine

November-December 2000

Telephone: (888) INFO-FDA

http://www.fda.gov (Under "C" in the subject index, select Cell Phones > Research.)

U.S. Federal Communications Commission

445 12th Street, S.W.

Washington, D.C. 20554

Telephone: (888) 225-5322

http://www.fcc.gov/oet/rfsafety

Independent Expert Group on Mobile Phones

http://www.iegmp.org.uk

Royal Society of Canada Expert Panels on Potential Health Risks of Radio Frequency Fields from Wireless Telecommunication Devices

283 Sparks Street
Ottawa, Ontario K1R 7X9
Canada
Telephone: (613) 991-6990

World Health Organization

Avenue Appia 20
1211 Geneva 27
Switzerland
Telephone: 011 41 22 791 21 11
http://www.who.int/mediacentre/factsheets/fs193/en/

International Commission on Non-Ionizing Radiation Protection

c/o Bundesamt fur Strahlenschutz
Ingolstaedter Landstr. 1
85764 Oberschleissheim
Germany
Telephone: 011 49 1888 333 2156
http://www.icnirp.de

American National Standards Institute

1819 L Street, N.W., 6th Floor
Washington, D.C. 20036
Telephone: (202) 293-8020
http://www.ansi.org

National Council on Radiation Protection and Measurements

7910 Woodmont Avenue, Suite 800
Bethesda, MD 20814-3095
Telephone: (301) 657-2652
http://www.ncrponline.org

Engineering in Medicine and Biology Society, Committee on Man and Radiation (COMAR) of the Institute of Electrical and Electronics Engineers

http://ewh.ieee.org/soc/embs/comar/

TIA Safety Information

The following is the complete TIA Safety Information for wireless handheld phones.

Exposure to Radio Frequency Signal

Your wireless handheld portable phone is a low power radio transmitter and receiver. When ON, it receives and sends out Radio Frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (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)

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

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).

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:

Don't 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.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded 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 (6) 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;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

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 (or call the customer service line to discuss alternatives).

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is 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.

For Your Safety

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. Switch OFF your phone before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way 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.

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.

FDA Consumer Update

The U.S. Food and Drug Administration's Center 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 (RF) energy in the microwave range while being used. They also emit very low levels of RF when in idle 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 (RF) energy 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 does 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 users 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
- 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.

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 built-in antennas, often called “cell”, “mobile”, or “PCS” phones. These types of wireless phones can expose the user to measurable Radio Frequency (RF) energy 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 Radio Frequency (RF) energy 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 pre-disposed 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 do not 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 long-term exposures, since the average period of phone use in these studies was around three years.

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 ten 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 Radio Frequency (RF) energy.

The FDA has been a leading participant in the World Health Organization International Electro Magnetic 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 Radio Frequency 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 Radio Frequency (RF) energy 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 phones 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 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 Radio Frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy 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 tissue-simulating 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 Radio Frequency 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 Radio Frequency (RF) energy. 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 does 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.

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 Radio Frequency (RF) energy, 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?

Radio Frequency (RF) energy from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure Electro Magnetic 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:

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.hpa.org.uk/radiation/)

Driving

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

- 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 or the law require it.

HAC statement

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses.

However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise.

Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility.

If you have questions about return or exchange policies, consult your service provider or phone retailer.

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users to find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees.

Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully.

For Your Safety

Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use.

A sum of 6 is considered for best use.

In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless phone. “Normal usage” in this context is defined as a signal quality that’s acceptable for normal operation.

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark.

The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

To enter that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN(this phone does not have WLAN) components must be disabled during a call.

For information about hearing aids and digital wireless phones
Wireless Phones and Hearing Aid Accessibility http://www.accesswireless.org/
FCC Hearing Aid Compatibility and Volume Control http://www.fcc.gov/cgb/consumerfacts/hac_wireless.html

WiFi Caution!

This device is capable of operating in 802.11a/n mode. For 802.11a/n devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US.
WiFi Access Points that are capable of allowing your device to operate in 802.11a/n mode (5.15-5.25 GHz band) are optimized for indoor use only.
If your WiFi network is capable of operating in this mode, please restrict your WiFi use indoors not to violate federal regulations to protect MSS.

Getting to know your phone

Before you start using the phone, please read this!

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

1. Phone Memory

In order to make more memory available, you will have to manage your applications and delete some data, such as applications or messages.

Managing Applications

1 From the Home screen, tap the **Menu/ Search Key** and tap **App settings**.

2 When the list of applications appears, scroll and tap the application you want to disable.

3 Tap **Uninstall** and then tap **OK** to confirm that you want to uninstall the desired application.

2. Optimizing Battery Life

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

To extend the life of your battery

- Turn off radio communications that you aren't using, such as Wi-Fi, Bluetooth, or GPS.
- Lower 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 power to be reduced.
- While using downloaded applications, check the battery charged level.

To view the battery charge level

1 From the Home screen, tap the **Menu/ Search Key** and tap **System settings** > **About phone** > **Battery**.

2 The battery status (charging or not charging) and level are displayed on the

top menu of the screen.

To monitor and control what uses the battery

1 From the Home screen, tap the **Menu/ Search Key** and tap **System settings** > **Power Saver** > **Battery use.**

2 The bottom of the screen displays battery usage time. Either how long since last connected to a power source, or if connected to a power source, how long you were last running on battery power. The screen also lists applications or services using battery power from greatest amount to least.

3. Installing an Open Source Operating System

Installing an open source operating system on your phone and not using the operating system provided by the manufacturer can cause your phone to malfunction.

Warning

- If you install and use an OS other than the one provided by the manufacturer, your phone is no longer covered by the warranty.
- To protect your phone and personal data, download applications only from trusted sources, such as Play Store. If some applications are not properly installed on your phone, your phone may not work properly- or serious errors may occur. You will need to uninstall those applications and all of its data and settings from the phone.

4. Using the Swipe, Face Unlock, Pattern, PIN, or Password

Set the Face unlock, or an unlock Pattern, PIN, or Password to secure your phone. To set the screen lock, follow the process below.

From the Home screen, tap the **Menu/ Search Key**, tap **System settings** > **Lock screen** > **Select screen lock** and

select among **None, Swipe, Pattern, PIN** or **Password**.

NOTE

In case that you would have trouble with Face Unlock, you can unlock the screen with the unlock pattern and/or PIN as a backup.

Warning

Take precautions when using an Unlock Pattern, PIN, or Password. It is very important that you remember the screen unlock information you set. You are allowed 5 attempts to enter your screen unlock information. If you used up all 5 opportunities, you will have to wait 30 seconds to attempt unlocking the phone again.

When you can't recall your Unlock Pattern, PIN, or Password:

If you logged into a Google account on the phone and failed to use the correct pattern 5 times, tap **Forgot pattern?** You will be required to sign in with your Google account and prompted to create a new unlock pattern.

If you have set a backup PIN, you can unlock the screen with keying in the backup PIN.

If you haven't created a Google account on the phone or you forgot your PIN or Password, you need to perform a hard reset. Or, you can unlock the phone with the Backup pin.

5. Using Hard Reset (Factory Reset)

If your phone needs to be restored to its original condition, use a **Hard Reset** to initialize your phone.

1. Turn the power off.
2. Press and hold the following keys at the same time for 8 seconds: **Power/Lock Key + Up Volume Key**.
3. When FACTORY HARD RESET screen is displayed, release the keys.
4. Press the **Power/Lock Key** to confirm -- delete all user data, and press the Volume Keys to cancel.

Warning

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

6. Using Safe Mode

To recover your phone when malfunctioning.

1 Turn off your phone and reboot. When you see the booting animation press and hold the **Menu/Search Key** . Your main screen will then be displayed with the words “Safe mode” in lower left corner.

2 From the Home screen, tap the **Menu/Search Key** and tap **App settings**.

3 Tap one of the available tabs at the top of the screen and select the application you wish to uninstall.

4 Tap **Uninstall** and **OK** to confirm.

5 After uninstalling the application, turn off and reboot your phone.

7. Using a micro SD Card

Pictures, Music and Video files, can be saved to external memory. Before saving these files to external memory, you need to insert a micro SD card. If you have not inserted a micro SD card, you will not be able to save these items on external memory.

Warning

Do not remove the micro SD card without unmounting it first. Otherwise, it may damage the micro SD card as well as your phone, and the data stored on the micro SD card may be corrupted. To remove the micro SD card safely, from the Home screen, tap the **Menu/Search Key** and tap **System settings** > **Storage** > **Unmount SD card** > **OK**.

8. Connecting your phone to a computer via USB

1 Use the USB cable that was provided with your phone to connect the phone to a USB port on your computer. You'll receive a notification that the USB is connected and can see USB connection mode popup.

2 Tap **Media sync (MTP)** to confirm that you want to transfer files between your phone's micro SD card and the computer.

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

TIP

You cannot access the micro SD card from your phone while connected as USB storage. So you cannot use applications that rely on the micro SD card, such as Music.

9. 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.

To stop applications:

1 Touch **Apps Key** > **Settings** > **Apps** > **Running** tab.

2 Scroll to the desired application and touch **Stop** to stop it.

TIP

To return to a recent application, press and hold the **Home Key** .
The screen then displays a list of applications you have recently used.

10. Installing PC Software(LG PC Suite)

"LG PC Suite" PC Application is a program that helps you connect your device to a PC via a USB cable and Wi-Fi. Once connected, you can use the functions of your device from your PC.

With your "LG PC Suite" PC Application, You Can...

- Manage and play your media contents (music, movie, pictures) on your PC.
- Send multimedia contents to your device.
- Synchronises data (schedules, contacts, bookmarks) in your device and PC.
- Backup the applications in your device.
- Update the software in your device.
- Backup and restore the device.
- Play multimedia content in your PC from another device.

NOTE

You can use the Help menu from the application to find out how to use your "LG PC Suite" PC application.

Installing "LG PC Suite" PC Application

"LG PC Suite" PC application can be downloaded from the LG website.

1. Go to www.lg.com and select a country of your choice.
2. Go to **Support** > **MOBILE SUPPORT** > **LG Mobile Phones** > Select the Model (LG-P769) or Go to **Support** > **Mobile Phone Support** > Select the Model (LG-P769).
3. Click **PC Sync** from **MANUALS & DOWNLOAD**, and click **DOWNLOAD to download** "**LG PC Suite**" PC software or Click **PC Sync** from **Downloads**, and click **WINDOW PC Sync Download** to download "**LG PC Suite**" PC software.

System Requirements for "LG PC Suite" PC software

- OS: Windows XP 32 bit(Service pack 2), Windows Vista 32 bit/64 bit, Windows 7 32 bit/64 bit
- CPU: 1GHz or higher processor
- Memory: 512MB or higher RAM
- Graphic card: 1024 x 768 resolution, 32 bit color or higher
- HDD: 100 MB or more free hard disk space (More free hard disk space may be needed depending on the volume of

data stored.)

- Required software: LG integrated drivers.

NOTE

LG Integrated USB Driver

LG integrated USB driver is required to connect an LG device and PC and installed automatically when you install "LG PC Suite" PC software.

11. Unlock screen when using data connection

Your screen will go dark if untouched for a period of time when using a data connection. To turn on your LCD screen, press the **Power/Lock Key** .

12. Hold the phone straight up

Please hold the mobile phone straight up as a regular phone.

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

13. When the screen freezes

If the phone does not respond to user input or the screen freezes:

Press and hold the **Power/Lock Key** for 12 seconds to turn it off. Then, press and hold the **Power/Lock Key** again for 3 seconds to reboot the phone.

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

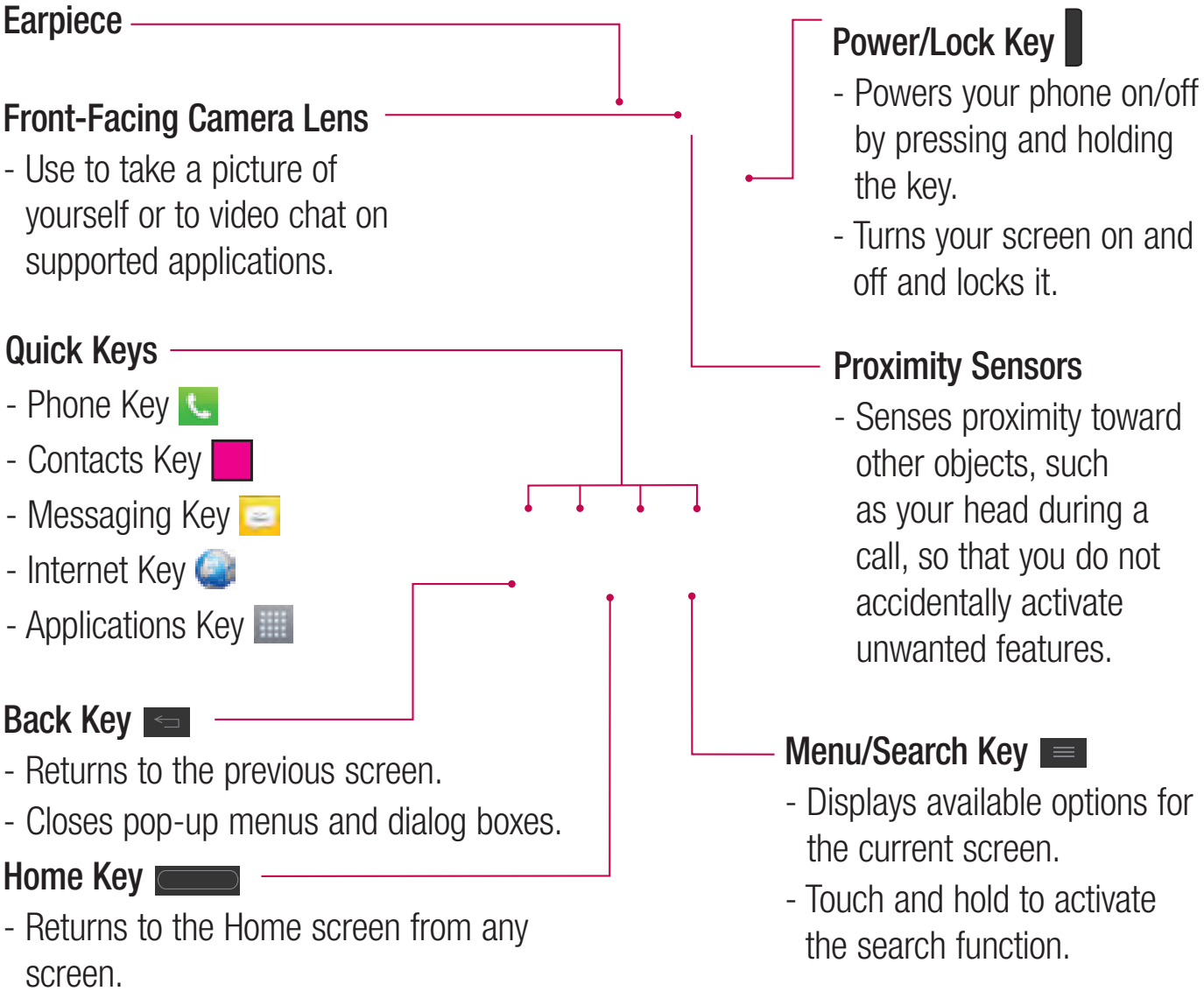
Make sure to disconnect your phone from the PC when powering your PC on or off as it might result in PC errors.

Your Phone

To turn on the phone, press and hold the Power/Lock Key for 3 seconds.

To turn off the phone, press the Power/Lock Key for 3 seconds and tap **Power off** and **OK** to confirm.

Front view



Your Phone

NOTE: Proximity sensor

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

Warning

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

TIPS

- Tap the **Menu/Search Key** whenever you open an application to check what options are available.
- If your phone has errors when you use it or you cannot turn it on, remove the battery, install it again and turn it on after 5 seconds.

Side view

3.5mm Headset Jack

Volume Keys

- Allows you to adjust the ringer and media volumes, or to adjust the in-call volume during a call.
- Press and hold the volume down key to switch to the silent mode.

TIP

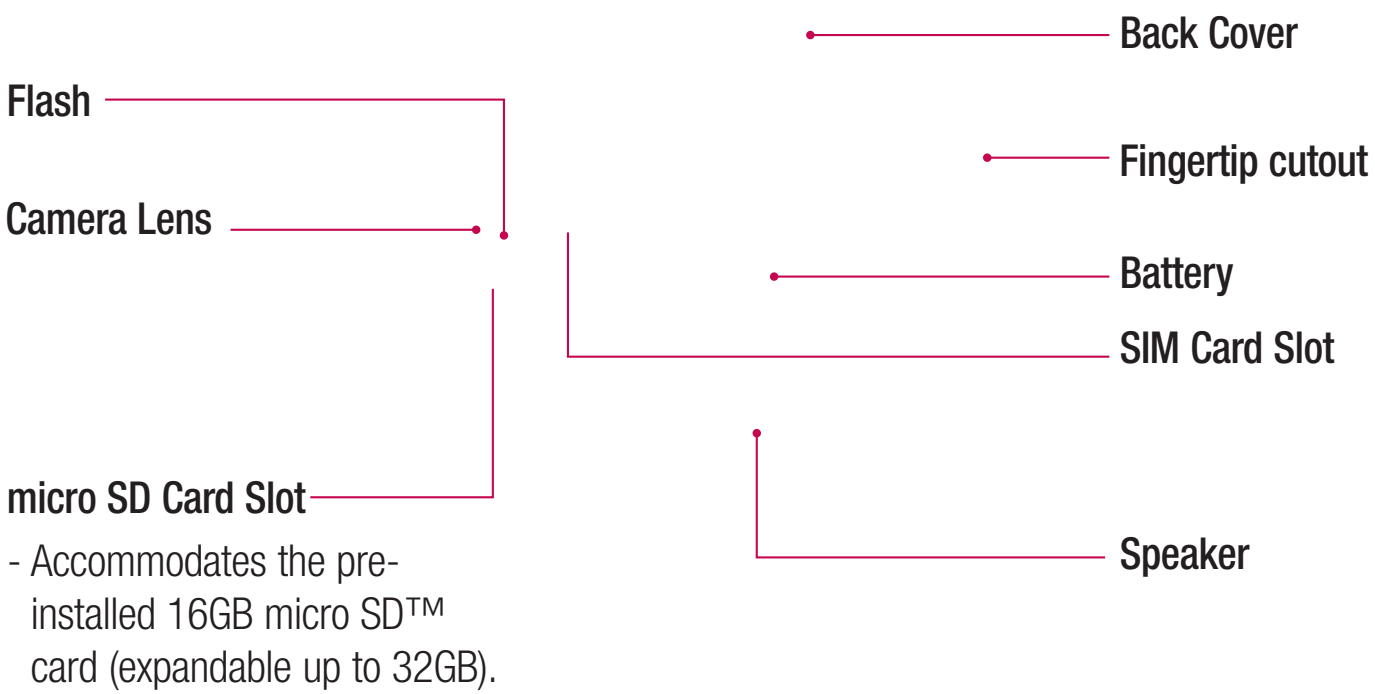
Press and hold the Volume Up and Volume Down Keys for one second to use the QuickMemo function (See on page 22).

Power/Lock Key

Microphone

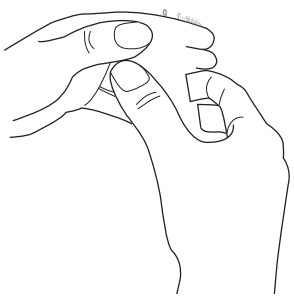
Charger/Accessory Port

Rear view


Back Cover
Flash
Fingertip cutout
Camera Lens
Battery
SIM Card Slot
micro SD Card Slot
- Accommodates the pre-installed 16GB micro SD™ card (expandable up to 32GB).
Speaker

QuickMemo

Use QuickMemo to practically and efficiently create memos during a call, with a saved picture or on the current phone screen.



1 Enter the **QuickMemo** screen by pressing QuickMemo Hotkey

2 Select the desired menu option from **Pen type**, **Color**, **Eraser**, and create a memo.

3 Touch to save the memo with the current screen.

NOTE

Please use a fingertip while using the QuickMemo function. Do not use your fingernail.

Using the QuickMemo options

While using the QuickMemo function, you can easily use the QuickMenu options.

– Select if you want to use the background screen or not.

– Undo or Redo.

– Select the pen type and the colour.

– Erase the memo that you created.

– Send or share the current QuickMemo to others.

– Save the memo with the current screen.

Viewing the saved QuickMemo

Touch **Gallery** and select the QuickMemo album.

Getting Started

Installing the SIM card and battery

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

1 Hold the phone on your hand firmly. With the other hand, lift the back cover using the fingertip cutout located on the bottom of the cover and remove it.

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 into place by aligning the gold contacts on the phone and the battery ❶ and press the battery down until it clicks into place ❷.

4 Replace the back cover of the phone (as demonstrated below). Apply a steady downward pressure until the battery cover clicks into place.

On-screen Keyboard

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

There are two types of keypads that you can use: Google voice typing and LG keyboard.

To select the keyboard:

1 Tap the **Menu/Search Key** > **System settings > Language & input > Default (Under KEYBOARD & INPUT METHODS)**.

2 Select the default keyboard between Google voice typing and LG Keyboard.

OR

1 While entering text, drag the Status Bar down and tap **Select input method**.

2 Select the desired input method from **Google voice typing**, or **LG Keyboard**.

LG keyboard - QWERTY - Letters Entry

1 **Shift Key** - Tap once to capitalize the next letter you type. Double-tap for all caps.

2 **Number and Symbols/ Settings Key** - Tap to change input to number and symbol entry. Touch and hold to set various LG keyboard settings.

3 **Delete Key** - Tap to delete characters to the left of the cursor.

4 **Next Key** - Tap to move the cursor to the next field.

5 **Voice to Text Key** - Tap to use the voice input function.

LG keyboard - QWERTY - Numbers and Symbols Entry

1. **Alt Key** - Tap to enter additional symbols. The keyboard will change to alternate characters.
2. **Letters/ Settings Key** - Tap to change input to letters entry. Touch and hold to set various LG keyboard settings.
3. **Space Key** - Tap to enter space.
4. **Delete Key** - Tap to delete characters to the left of the cursor.
5. **Next Key** - Tap to move the cursor to the next field.
6. **Voice to Text Key** - Tap to use the voice input function.

LG keyboard – Phone keypad

To switch to the phone keypad on LG keyboard, touch and hold . Tap **Input language & type** > touch **for setting**, then tap **Phone keyboard**. The Phone keyboard allows you to enter letters by tapping the key labelled with the desired letters, similar to how you would on a traditional 12 key phone. You may have to tap a key up to four times to type the desired letter or number.

1. **Symbol Key** - Tap to change input to symbol.
2. **Number Key** - Tap to change input to number.
3. **Shift Key** - Tap once to capitalize the next letter you type. Double-tap for all caps.

❹ **Delete Key** - Tap to delete characters to the left of the cursor.

❺ **T9 Key** - Tap to turn on the T9 entry mode.

❻ **Voice to Text/ Settings Key** - Tap to use the voice input function. Touch and hold to set various LG keyboard settings.

❼ **Next Key** - Tap to move the cursor to the next field.

❽ **Space Key** - Tap to enter space.

Entering text

Shift Key - Tap once to capitalize the next letter you type. Double-tap for all caps.The coloured circle on the button tells you if uppercase is locked on or if it is just on for one character .

Number and Symbols/ Settings Key - Tap to change to 123 Mode and enter numbers and symbols. Touch and hold to set various LG keyboard settings.

Enter Key- Adds another line when entering text.

Delete Key- Deletes any text you have entered.

To enter a space, tap .

123 Mode

This mode allows you to enter numbers in a text message (a telephone number, for example) more quickly. Tap the keys corresponding to the required digits before manually switching back to the appropriate text entry mode by tapping the key.

Entering accented letters

The on-screen keyboard allows you to enter special characters (e.g., “á”).

From Phone Keypad (LG Keyboard)

Tap the key that corresponds to the desired character repeatedly until you see the special character you want.

From Qwerty keyboard

To input the accent, press and hold the desired key (press the “a” key for example).

After the accented character appears, slide your finger over it and lift it off it to enter it.

Google Account Set-up

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

Creating your Google account

1 From the Home screen, tap **Apps Key** .

2 Tap **Gmail** > **Next** to start the Gmail™ setup wizard.

3 Tap a text field to open the keyboard and enter your name and tap **Next**.

4 Enter your username and tap **Next**. Your phone will communicate with Google servers and check for username availability.

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

Signing into your Google account

1 Enter your email address and password, then tap **Sign in** (If accessing Gmail for the first time, tap **Existing** prior to this step).

2 Enter your username and password and tap **Sign in**.

3 After signing in, you can use Gmail™ and take advantages of Google services on your phone.

4 Once you have set up your Google account, your phone will be automatically synchronized with your Google account on the web. (Depending on your synchronization settings.)

After signing in, your phone will sync with your Google services, such as Gmail™, Contacts, Google Calendar, and Picasa photo albums. You can also use Google Maps™, download applications from Play Store™, back up your settings to Google servers, and take advantage of other Google services on your phone.

Google Account Set-up

IMPORTANT

- Some applications, such as Calendar, work only with the first Google Account you add. If you plan to use more than one Google Account with your phone, be sure to sign into the one you want to use with such applications first. When you sign in, your contacts, Gmail messages, Calendar events, and other information from these applications and services on the web are synchronized with your phone. If you don't sign into a Google Account during setup, you will be prompted to sign in or to create a Google Account the first time you start an application that requires one, such as Gmail or Play Store™.
- If you have an enterprise account through your company or other organization, your IT department may have special instructions on how to sign into that account.

Connecting to Networks and Devices

Wi-Fi

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

Turn on Wi-Fi

From the Home Screen, Touch and hold the Status Bar And slide it down with your finger open and tap to turn Wi-Fi on.

OR

Tap the **Menu/Search Key** and tap **System settings** > **Wi-Fi** .

To connect to a Wi-Fi Network

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

1 From the Home screen, tap the **Menu/ Search Key** and tap **System settings** > **Wi-Fi**.

2 Tap **Wi-Fi** to turn it on and begin scanning for available Wi-Fi networks.

- A list of available Wi-Fi networks will be displayed. Secured networks are indicated by a lock icon.

3 Tap a network to connect to it.

- If the network is secured, you are prompted to enter a password or other credentials. (Ask your network administrator for details).

4 The Status Bar at the top of your screen will display an icon that indicates your Wi-Fi status.

TIP

If you are not in range of a Wi-Fi network and use a network connection. Additional data charges may apply.

NOTE

This device supports WEP, WPA/WPA2-PSK, WPA PSK, WPA2 Only PSK and 802.1x EAP. (Some EAP methods are not supported.) If your Wi-Fi service provider or network administrator sets encryption for network security, enter the key in the pop-up window. If encryption is not set, this pop-up window will not be shown. You can obtain the key from your Wi-Fi service provider or network administrator.

Bluetooth

Using Bluetooth

1 From the Home screen, tap the **Menu/Search Key** and tap **System settings** > **Bluetooth** to turn on the Bluetooth setting.

2 Tap **Bluetooth icon** > **Search for devices**.

3 Tap the name of the device you wish to pair with and connect.

TIP

Please consult documentation included with Bluetooth device for information on pairing mode and passcode (typically 0 0 0 0 – four zeroes).

How to send data from your phone via Bluetooth

You can send data via Bluetooth by running a corresponding application, not from Bluetooth menu, unlike regular mobile phones.

* **Sending pictures:** Open the Gallery application and tap a picture. Then tap the share icon at the top > **Bluetooth**. Check if Bluetooth is turned on and tap **Search for devices**. Then tap the device you want to send data to from the list.
* **Exporting contacts:** Open the Contacts application. Tap the contact you want to share, tap the **Menu/Search Key** and tap **Share** > **Bluetooth**. Check if Bluetooth is turned on and tap **Search for devices**. Then tap the device you want to send data to from the list.
* **Sending multi-selected contacts:** Open the Contacts application. To select more

than one contact, tap the **Menu/Search Key** and tap **Share**. Tap the contacts you want to send or tap **Select all**, **done.** Then tap **Bluetooth.** Check if Bluetooth is turned on and tap **Search for devices**. Then tap the device you want to send data to from the list.

* **Connecting to FTP (Only the FTP server is supported on this handset):** From the Home screen, tap the **Menu/Search Key** and tap **System settings** > **Bluetooth**. Make sure Bluetooth is turned on. Tap make phone visible. Then search for other devices. Find the service you want and connect to the FTP server.

TIP

The supported Bluetooth version is Bluetooth 3.0 and certified by Bluetooth SIG. It is compatible with other Bluetooth SIG certified devices.

- If you want to search for this phone from other devices, from the Home screen, tap the **Menu/Search Key** and tap **System settings** > **Bluetooth**. Make sure Bluetooth is turned on. Tap Make phone visible to other Bluetooth devices for 120 seconds.
- Supported profiles are HFP/HSP, A2DP, AVRCP, OPP, FTP(Server) and PBAP.

Data Tethering

You can use your phone to provide a data connection to a computer by activating data tethering and connecting them with a USB cable.

To tether your phone with your computer using the USB

1 Connect your phone to your computer with a USB cable.

2 You can see USB connection mode popup and tap USB tethering and OK to confirm

then tap USB tethering.

3 A blue check mark will appear, indicating that the function is activated.

NOTE

- Data Tethering requires an appropriate DataPro data plan. Devices connected by tethering use data from your DataPro plan. Plans are not unlimited and significant charges may be incurred if the included data allowance is exceeded. Performance may vary depending on the number of devices connected and other factors.
- You cannot access your phone's micro SD card on your computer when using USB tethering.
- From the Home screen, tap the **Menu/Search Key** and tap **System settings** > **More** > **Portable Wi-Fi hotspot**. Check to turn on.

Mobile Hotspots

You can also use your smartphone to provide a mobile broadband connection for up to 8 other devices. Create a hotspot and share your connection.

To create a portable hotspot, tap the **Menu/Search Key** > **System settings** > **Portable Wi-Fi hotspot** > **Configure Wi-Fi hotspot**. Set a password upon first use.

NOTE

Performance may vary depending on the number of devices connected and other factors. If you do not use a password, others will be able to use your Mobile Hotspot connection.

Wi-Fi Direct

Learn to use the WLAN Direct feature to connect two devices via a WLAN without requiring an access point.

Connect your device to another WLAN device

1 **System settings** > **More** > **Wi-Fi Direct**.

2 Press **Search**.

3 Select a device and then select **Connect**. When the owner of the other device

accepts the connection, pairing is complete.

4 To deactivate the WLAN Direct feature, select **Disconnect Wi-Fi Direct**.

FileShare

You can share your music, picture and video content between users connected via the same Wi-Fi, Wi-Fi Directed or potable hotspot network.

Check your network settings in advance and make sure the users are connected to the same network.

Send data

1 **Apps Key** > **FileShare**.

2 Add files you want to share.

3 On the top of the screen, you can see all devices connected with your phone. Select devices you want to share with and then touch the . When the other device accepts the request, it starts sending.

Use **Menu/Search Key** to use more of its functions.

Receive data

When prompted, select **OK** to confirm that you are willing to receive data.

Smartshare

SmartShare uses DLNA (Digital Living Network Alliance) technology to share digital content through a wireless network.

Both devices must be DLNA certified to support this feature.

To turn SmartShare on and allow sharing contents

1 Tap **Apps Key** > **SmartShare** .

2 Tap the **Menu/Search Key** > **System settings**.

3 Tap **Discoverable** checkbox to turn on.

- Tap **Always accept request** to automatically accept sharing requests from other devices.

- Touch **Receive files** if you would like to allow the other devices to upload media files to my phone.

4 Under the My shared contents section, touch to checkmark the types of content you would like to share. Choose from **Pictures**, **Videos**, and **Music**.

5 **SmartShare** is now activated and ready to share contents.

Connecting to Networks and Devices

To control your renderer devices

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

NOTE

Make sure that the DLNA functionality of your devices is properly configured (e.g. TV and PC)

1 Tap **Apps Key** > **SmartShare** .

2 Touch the **To** button and select the device from the renderer device list.

3 Touch the **From** button and select the device of the remote content library.

4 You can browse the content library.

5 Touch and hold a content thumbnail and flick them to the top area with your finger or touch the **Menu/Search Key** > **Play**.

To share contents from your phone to your renderer device (e.g. TV)

NOTE

Make sure that your renderer device is properly configured.

1 While watching your pictures or videos using the **Gallery** application, touch tab / / on the Title area.

2 Select the device from renderer lists to play the files.

NOTE

Follow the similar steps to use the **Video player** to share contents.

: Need to be connected network

: Select the device on network

: Currently, the content is being shared through SmartShare.

To download contents from remote content library

1 Tap **Apps Key** > **SmartShare** .

2 Touch the **From** button and select the device of the remote content library.

3 You can browse the content library.

4 Touch and hold a content thumbnail and then touch **Download**.

NOTICE

A few types of contents are not supported.

To upload contents from the remote content library

NOTE

Make sure that the microSD card is correctly mounted and the **Receive files** option in the **Settings** menu is checked.

1 Tap **Apps Key** > **SmartShare** .

2 Touch the **From** button and select **My phone**.

3 You can browse the content library.

4 Touch and hold a content thumbnail and then touch **Upload**.

5 Select the device of the remote content library to be uploaded.

NOTICE

Some DLNA enabled devices do not support the DMS upload functionality and will not upload files.
A few types of contents are not supported.

Calls

Making a call

1 Tap to open the keypad.

2 Enter the number on the keypad. To delete a digit, tap the **Clear** icon .

3 Tap the **Call** icon to make a call.

4 To end a call, tap the **End** icon .

TIP

To enter "+" to make international calls, touch and hold .

Calling your contacts

1 From the Home screen, tap the **Apps Key** and then tap **Contacts** to open your contacts.

2 Scroll through the contact list or tap the **Search contacts** box and enter the first letter(s) of the contact you want to call.

3 In the list that is displayed, tap the contact you want to call.

4 In the Contact Info screen, tap the phone number you wish to call.

Answering and rejecting a call

When the screen is locked

When your phone rings, swipe the **Answer** icon in any direction to answer the incoming call.

Swipe the **Decline** icon in any direction to reject an incoming call. Swipe the Quick msg icon in any direction if you want to send a message to the caller. If the caller is unknown, the **Quick msg** icon is not available.

When the screen is unlocked

When your phone rings, tap the **Answer** icon . Tap **Decline** icon to reject an incoming call.

Tap the Quick msg Key if you want to send a message to the caller. If the caller is unknown, the **Quick msg Key** is not available.

Adjusting the in-call volume

To adjust the in-call volume during a call, use the volume up and down keys on the left side of the phone.

Making a second call

1 During your initial call, tap the **Menu/ Search Key** and select **Add call**.

2 Dial the number or search your contacts.

3 Tap the **Call** icon to connect the call.

4 Both calls will be displayed on the call screen. Your initial call will be put on hold.

5 Tap the Call entry on the screen to toggle between active calls or tap **Merge call** to merge the calls.

6 To end active calls, tap the **End icon** If there is no active call, it will end the call on Hold.

NOTE

You will be charged for each call you make.

Viewing your call logs

From the Home screen, tap the **Call icon** and the **Call log** tab.

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

TIP

Tap any single call log entry to view the date, time, and duration of the call.

TIP

Tap the **Menu/Search Key**, then tap **Delete all** to delete all the recorded items.

Call settings

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

1 From the Home screen, tap the **Menu/ Search Key** and tap **System settings**.

2 Tap **Call**.

3 Set any of the available options.

Contacts

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

Searching for a contact

1 From the Home screen, tap **Apps Key** and then tap **Contacts** to open your contacts.

2 Tap the **Search contacts** and enter the contact name using the keypad.

Adding a new contact

1 Tap **Phone key** and enter the new contact's number. Tap the **Menu/Search Key**, tap **Add to contacts** and then **Create new contact**.

2 If you want to add a picture to the new contact, tap . Choose from **Take photo** or **Select from Gallery**. Then browse for an image and select it.

3 Tap Phone to enter more specific name information.

4 Enter the details about your contact.

5 Tap **Save** to save the contact entry.

Favourite Contacts

You can classify frequently called contacts as favourites.

To add a contact to your favourites

1 From the Home screen, tap **Apps Key** and then tap **Contacts** to open your contacts.

2 Tap a contact to view its details.

3 Tap the star to the right of the contact's name. The star turns gold and the contact is added to your favourites.

To remove a contact from your favourites list

1 From the Home screen, tap **Apps Key** and then tap **Contacts** to open your contacts.

2 Tap the **Groups** tab and tap **favourites**.

3 Tap a contact to view its details.

4 Tap 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 phone combines SMS and MMS into one intuitive, easy-to-use menu.

Threaded box

Messages (SMS and MMS) exchanged with another party can be displayed in chronological order so that you can conveniently see an overview of your conversation.

Sending a message

1 Tap the icon on the Home screen, then tap icon on the top right to create a new message.

2 Enter a contact name or phone number in the **To** field. As you enter the contact name, matching contacts appear. You can tap a suggested recipient. You can also add multiple contacts.

NOTE

You will be charged for a text message for every person you send the message to.

3 Tap the text field to start entering your message.

4 Tap the **Menu/Search Key** to open the options menu. Choose from **Discard, Add subject, Insert smiley** and **All messages**.

5 Tap **Send** to send your message.

6 The message screen opens, with your message after recipient name/number. Responses appear on the screen. As you view and send additional messages, a message thread is created.

Warning

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

Warning

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

NOTE

When you get an SMS message during a call, there will be an audible notification.

Messaging/Email

Using smilies

Liven up your messages using smilies.

When writing a new message, tap the **Menu/Search Key** , then tap **Insert smiley**.

Changing your message settings

Your phone's message settings are predefined, so you can send messages immediately. You can change the settings based on your preferences.

► From the Home screen, tap **Messaging** > **Menu/Search Key** > **Settings**.

Email

You can use the **Email** application to read Email from providers other than Gmail. The Email application supports the following account types: POP3, IMAP and Microsoft Exchange ActiveSync (for Enterprise users).

To open the Email application

► From the Home screen, tap **Apps Key** > **Email**.

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

Microsoft Exchange Email Account

Email address – Enter the account email address.

User name – Enter the account username.

Password – Enter the account password.

Domain – Enter the account domain (optional)

Server address – Enter the server address

Use SSL – Choose whether or not to use SSL for Microsoft Exchange.

Other (POP3, IMAP) Email Account

Email address – Enter the account email address.

Password – Enter the account password. Setup complete page will appear and you will need to enter "name". The account will now appear in the list of accounts in your Email folder.

Incoming Server Settings

POP3 / IMAP4 – Select protocol type, either POP3 or IMAP4.

Incoming server – Enter the incoming email server address.

Secure type – TLS/SSL/Off.

Port number – Normally each account's default number will be displayed.

Advanced Server Settings (Outgoing)

Outgoing server – Enter the outgoing email server address.

SMTP secure type – TLS/SSL/Off.

SMTP Port number – Normally each account's default number will be displayed.

Tap the **Next** button to connect the server. **Setup Completed** page will appear. You will need to enter "name" for account display and My name. Then, tap **Done**.

The account will now appear in the list of accounts in your Email folder.

The Accounts Screen

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

► Tap **Apps Key** > **Email**. The Account list appears.

TIP

To make a shortcut to the Inbox of an account:

In the accounts list, touch and hold an email account. Then, tap **Add to homescreen**.

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

To open your Combined Inbox

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

► Tap **Email** > **Combined Inbox** (on the **Accounts** screen).

Messages in the **Combined Inbox** are colour coded on the left, by account, using the same colours used for your accounts in the **Accounts** screen.

When a new email arrives in the inbox, there will be sound and vibration notification. Tap the email notification to end it.

Messaging/Email

Composing and Sending Email

1 In the **Email** application, tap the **Compose**.

2 Enter an address for the message's intended recipient. As you enter text, matching addresses will be offered from your contacts.

3 Tap the **Cc/Bcc** field to copy or blind copy to other contacts/email addresses.

4 Enter the text of the message.

5 Tap **Attach** to attach the file you want to send with your message.

6 Tap **Send**.

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

If you are not 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're connected to a network. If it contains any pending messages, the **Outbox** will be displayed on the **Accounts** screen.

NOTE

The messages sent using an Exchange account will not be stored on the phone; they will be stored on the Exchange server itself. If you want to see your sent messages in the **Sent** folder (or with the **Sent** label), you may need to open the **Sent** folder/label and select **Refresh** from the options menu.

Working with Account Folders

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

Adding and Editing Email Accounts

To add an email account

1 Tap **Apps Key** > **Email**.

2 Select **Microsoft Exchange** or **Other**.

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

In this case, tap the **Menu/Search Key**

> **Add account**.

To change account settings

1 Open the **Accounts** screen.

2 Tap the **Menu/Search Key** > **Settings**.

To delete an email account

1 Open the **Accounts** screen.

2 Touch and hold the account you want to delete.

3 Tap **Delete account** in the menu that opens and tap **OK** in the dialogue box to confirm.

Social Networking

With your phone, you can enjoy social networking and manage your micro-blog in on-line communities. You can update your current status, upload photos, and view your friends' status updates in real-time.

You can add your Facebook, Twitter accounts to your phone. If you don't have an account, you can visit their sites to set one up.

NOTE

Additional costs may be incurred when connecting and using online services. Check your data charges with your network provider.

Adding an account to your phone

1 From the Home screen, tap the **Menu/ Search Key** > **System settings** > **Account & sync**.

2 Tap **ADD ACCOUNT**.

3 Tap any social networking service you want to use.

4 Enter your email address and password that you set up for your social networking account, then tap **Log in**.

Adding a social networking widget on the home screen

If you add a social networking widget on your Home screen, the widget will show your status when your phone receives updates from the network.

You can also access the social community directly by tapping the widget.

1 Touch and hold an empty spot on the Home screen.

NOTE

If there is no available space on a particular Home screen panel, you won't be able to add any widget; you must delete or remove an item before you can add another item. In this case, you have the option of switching to another Home screen panel.

2 Tap the Widgets tab and scroll to the right until you see Social+.

3 Tap Social+ to add it to the Home screen panel.

Viewing and updating your status

1 Go to the Home screen panel where the **Social+** widget is. You can see the current status of social applications you set.

2 You can select each social application you'd like to view. Tap the arrow (for example, on the upper left corner of the widget) and tap the social application you'd like to display.

3 Tap "**What are you doing?**" field to update your status with comments or upload pictures.

- Check all the social applications you'd like to update. It will simultaneously update all.

4 After entering comments with attachment (if any), tap Post.

TIP

You can use information about friends only in your social network(s) or sync all data to Contacts.

Syncing accounts on your phone

You can sync information from your social networking accounts with your Contacts and other functions on your phone, if applicable.

1 From the Home screen, tap the **Menu/ Search Key** > **System settings** > **Accounts & sync**. Choose the account you want to synchronize and enter the necessary information.

2 Check **Update data** to sync.

3 Tap the account to sync.

4 Check sync options such as **Sync Contacts**.

" " indicates that synchronization has been enabled.

Removing accounts on your phone

1 From the Home screen, tap the **Menu/ Search Key** > **System settings** > **Accounts & sync**.

2 Tap the account(s) you want to delete, then tap **Delete account** (twice).

Camera

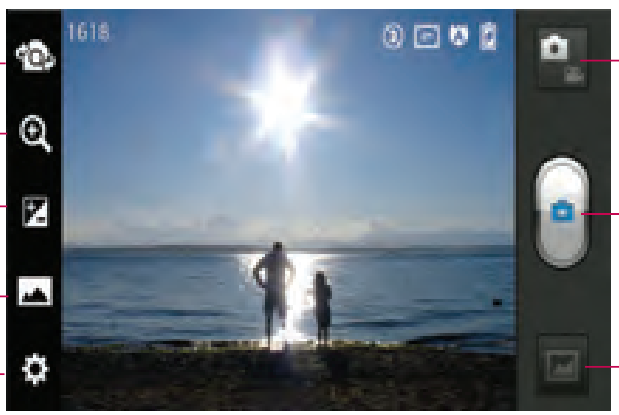
To open the Camera application, tap **Apps Key** > **Camera** .

Getting to know the viewfinder

Brightness – This defines and controls of the amount of sunlight entering the lens. Slide the brightness indicator along the bar, towards "-" for a lower brightness image, or towards "+" for a higher brightness image.

Voice Shutter – Say Cheese when you get ready to take a photo.

Camera Switch - Allows you to switch between the front-facing and back-facing cameras.



Camera mode – Tap this icon to switch between camera and video mode.

Capture – Allows you to take a photo.

Gallery – This enables you to access your saved photos and videos within the camera mode. Simply tap and your Gallery will appear on the screen.

Zoom(Volume keys) – Zoom in or zoom out.

Settings – Tap this icon to open the settings menu. See **Using the advanced settings** on page 58.

Shot mode – Choose from **Normal**, **Panorama** or **Continuous shot**.

NOTE

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

Camera

Taking a photo

1 Open the Camera application.

2 Hold the phone, point the lens towards the subject you want to photograph.

3 Touch the screen and a focus box will appear in the centre of the viewfinder screen.

4 When the focus box turns green, the camera has focused on your subject.

5 Click on the to capture the image.

NOTE

A shading issue may occur when you take a picture indoors, due to the characteristics of the camera. (Shading means a colour difference between the centre and sides.)

Once you've taken the photo

Your captured photo will appear on the screen if Auto review is set to On.

Share Tap to share the picture via various methods such as **Bluetooth, Email, Gmail, Google+, Memo, Messaging, MobileLife Album, Picasa, Social+,** or any other downloaded applications that is supported.

NOTE

Additional charges may apply when MMS messages are sent while roaming.

Set as Tap to use the image as **Contact photo, Home screen wallpaper, Lock screen wallpaper**.

Tap to delete the image.

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

Tap to view the Gallery of your saved photos.

Using the advanced settings

In the viewfinder, tap to open the advanced options.

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

Flash – Turn Off / On / Auto.

Focus –Tap to select the focus mode.

- **Auto** : Allows the camera to focus automatically. (The camera continuously focuses on the objects in the photo)
- **Face tracking** : The camera detects and focuses on human faces automatically.

Image size – Tap to set the size (in pixels) of the picture you take. Select a pixel value from the following options: **5M(2592X1944), 3M(2048X1536), W3M(2240X1344), 1M(1280X1024), W1M(1280X768).**

Scene mode – Select the colour and light settings appropriate for the current environment.

- **Normal** : Automatically adjusts according to the environment.
- **Portrait** : It's good to capture people.
- **Landscape** : It's good to capture natural scenery such as trees, flowers and sky.
- **Sunset** : It's good to capture the sunset scenery.

ISO - Control the camera's sensitivity to light. Choose from **Auto**, **400**, **200** and **100**.

White balance – The white balance ensures any the white areas in your picture 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 for your new photo.

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

Geotagging – 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.

Camera

NOTE

This function uses wireless networks. You need to checkmark Use wireless networks.

From the Home screen, tap the **Menu/ Search Key** > **System settings** > **Location services.** Check Google's location service .

Shutter sound – Select one of the four shutter sounds.

Auto review – If you set **Auto review on**, it will display the picture that was just taken automatically.

Storage – Choose from SD card, Internal memory.

Reset – Restore all camera default settings.

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

NOTE

- When you exit the camera, some settings will return to their defaults. Check the camera settings before you take your next photo.
- The settings menu is superimposed over the viewfinder, so when you change elements of the image colour or quality, you will see a preview of the image change behind the settings menu.

Viewing your saved photos

You can access your saved photos from within the camera mode. Just tap the Gallery button and your Gallery will be displayed.

TIP

Flick left or right to view other photos or videos.

Tap a photo to display other options menus.

– Tap to see a slide show of your images.

– Tap to take a new photo.

– Tap to share the photo via various methods such as Bluetooth, or

Messaging.

– Tap to delete the photo.

Menu/Search Key – Tap to access Set image as, Move, Rename, Rotate left, Rotate right, Crop, Edit, Slideshow, or Details.

Setting a photo as wallpaper

1 Tap the photo you want to set as wallpaper to open it.

2 Tap the screen to open the options menu.

3 Tap **Menu/Search Key** > **Set image as** > **Home screen wallpaper**.

4 Crop the image as desired and tap **OK**.

Video Camera

Getting to know the viewfinder

Brightness – This defines and controls of the amount of sunlight entering the lens. Slide the brightness indicator along the bar, towards "-" for a lower brightness video, or towards "+" for a higher brightness video.

Zoom – Zoom in or zoom out.

Camera Switch - Allows you to switch between the front-facing and back-facing cameras.

Camera mode – Tap this icon to switch between video and camera mode.

Start recording – Allows you to start recording.

Gallery – This enables you to access your saved photos and videos from within the video camera mode. Simply tap and your Gallery will appear on the screen.

Settings – Tap this icon to open the settings menu. See **Using the advanced settings** on page 63.

Live effect – Live effect provides various visual effects when taking a video.