



ENGLISH

User Guide

- Screen displays and illustrations may differ from those you see on actual phone.
- Some of the contents of this guide may not apply to your phone, depending on the software and your service provider. All information in this document is subject to change without notice.
- This handset is not suitable for people who have a visual impairment due to the tap screen keyboard.
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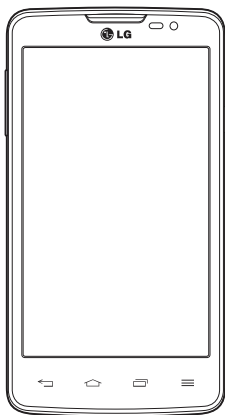


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Guidelines for safe and efficient use

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

Should a fault occur, a software tool is built into your device that will gather a fault log.

This tool gathers only data specific to the fault, such as signal strength, cell ID position in sudden call drop and applications loaded. The log is used only to help determine the cause of the fault. These logs are encrypted and can only be accessed by an authorized LG Repair centre should you need to return your device for repair.

Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information.

This mobile phone model LG-X145 has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardised methods with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10g of tissue.
- The highest SAR value for this model phone tested for use at the ear is 0.347 W/kg (10g) and when worn on the body is 0.678 W/Kg (10g).
- This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 1.5 cm away from your body. In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

Product care and maintenance

WARNING

Only use batteries, chargers and accessories approved for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone and may be dangerous.

- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Repairs under warranty, at LG's discretion, may include replacement parts or boards that are either new or reconditioned, provided that they have functionality equal to that of the parts being replaced.
- Keep away from electrical appliances such as TVs, radios and personal computers.
- The unit should be kept away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.
- Switch off the phone in any area where you are required to by special regulations. For example, do not use your phone in hospitals as it may affect sensitive medical equipment.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock and can seriously damage your phone.
- Do not charge a handset near flammable material as the handset can become hot and create a fire hazard.
- Use a dry cloth to clean the exterior of the unit (do not use solvents such as benzene, thinner or alcohol).
- Do not charge the phone when it is on soft furnishings.
- The phone should be charged in a well ventilated area.
- Do not subject this unit to excessive smoke or dust.
- Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object as it may damage the phone.
- Do not expose the phone to liquid or moisture.
- Use accessories like earphones cautiously. Do not touch the antenna unnecessarily.
- Do not use, touch or attempt to remove or fix broken, chipped or cracked glass. Damage to the glass display due to abuse or misuse is not covered under the warranty.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct skin contact in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.

Guidelines for safe and efficient use

- If your phone gets wet, immediately unplug it to dry off completely. Do not attempt to accelerate the drying process with an external heating source, such as an oven, microwave or hair dryer.
- The liquid in your wet phone, changes the color of the product label inside your phone. Damage to your device as a result of exposure to liquid is not covered under your warranty.

Efficient phone operation

Electronics devices

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

- Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over pacemakers, for example, in your breast pocket.
- Some hearing aids might be disturbed by mobile phones.
- Minor interference may affect TVs, radios, PCs etc.
- Use your phone in temperatures between 0°C and 40°C, if possible. Exposing your phone to extremely low or high temperatures may result in damage, malfunction, or even explosion.

Road safety

Check the laws and regulations on the use of mobile phones in the area when you drive.

- Do not use a hand-held phone while driving.
- Give full attention to driving.
- Pull off the road and park before making or answering a call if driving conditions so require.
- RF energy may affect some electronic systems in your vehicle such as car stereos and safety equipment.
- When your vehicle is equipped with an air bag, do not obstruct with installed or portable wireless equipment. It can cause the air bag to fail or cause serious injury due to improper performance.
- If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is of particular importance when near roads.

Avoid damage to your hearing



To prevent possible hearing damage, do not listen at high volume levels for long periods.

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

- When using headphones, turn the volume down if you cannot hear the people speaking near you, or if the person sitting next to you can hear what you are listening to.

NOTE: Excessive sound pressure from earphones and headphones can cause hearing loss

Glass Parts

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

Blasting area

Do not use the phone where blasting is in progress. Observe restrictions and follow any regulations or rules.

Potentially explosive atmospheres

- Do not use your phone at a refueling point.
- Do not use near fuel or chemicals.
- Do not transport or store flammable gas, liquid or explosives in the same compartment of your vehicle as your mobile phone or accessories.

Guidelines for safe and efficient use

In aircraft

Wireless devices can cause interference in aircraft.

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

Children

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

Emergency calls

Emergency calls may not be available on all mobile networks. Therefore you should never depend solely on your phone for emergency calls. Check with your local service provider.

Battery information and care

- You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- Use only LG batteries and chargers. LG chargers are designed to maximise the battery life.
- Do not disassemble or short-circuit the battery.
- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times before it needs replacing.
- Recharge the battery if it has not been used for a long time to maximise usability.
- Do not expose the battery charger to direct sunlight or use it in high humidity, such as in the bathroom.
- Do not leave the battery in hot or cold places, as this may deteriorate battery performance.
- There is risk of explosion if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions. Please recycle when possible. Do not dispose as household waste.
- If you need to replace the battery, take it to the nearest authorised LG Electronics service point or dealer for assistance.

- Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.
- Make sure that no sharp-edged items such as animal's teeth or nails, come into contact with the battery. This could cause a fire.

DECLARATION OF CONFORMITY

Hereby, **LG Electronics** declares that this **LG-X145** product is in compliance with the essential requirements and other relevant provisions of Directive **1999/5/EC**. A copy of the Declaration of Conformity can be found at <http://www.lg.com/global/declaration>

Contact office for compliance of this product :

LG Electronics Inc.
EU Representative, Krijgsman 1,
1186 DM Amstelveen, The Netherlands



Disposal of your old appliance

- 1 All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- 2 The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
- 3 For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.



Disposal of waste batteries/accumulators

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

Important notice



Please read this before you start using your phone!

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

1. Phone memory

When there is less than 10% of space available in your phone memory, your phone cannot receive new messages. You need to check your phone memory and delete some data, such as applications or messages, to make more memory available.

To uninstall applications:

- 1 Tap  >  > **Settings** > **Apps**.
- 2 Once all applications appear, scroll to and select the application you want to uninstall.
- 3 Tap **Uninstall**.

2. Optimizing battery life

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

Extending your phone's battery life:

- Turn off radio communications when you are not using. If you are not using Wi-Fi, Bluetooth or GPS, turn them off.
- Reduce screen brightness and set a shorter screen timeout.
- Turn off automatic syncing for Gmail, Calendar, Contacts and other applications.
- Some applications you have downloaded may reduce battery power.
- While using downloaded applications, check the battery charge level.



To check the battery power level:

- Tap  >  > **Settings** > **Battery**.

The battery status (charging or discharging) and battery level (percentage charged) is displayed at the top of the screen.

Important notice

To monitor and control how battery power is being used:

- Tap  >  > **Settings** > **Battery**.

Battery usage time is displayed on the screen. It tells you how long it has been since you last connected your phone to a power source or, if currently connected, how long the phone was last running on battery power.

The screen shows the applications or services using battery power, listed in order from the greatest to smallest amount used.

3. Before installing an open source application and OS



WARNING



If you install and use an OS other than the one provided by the manufacturer it may cause your phone to malfunction. In addition, your phone will no longer be covered by the warranty.



WARNING

To protect your phone and personal data, only download applications from trusted sources, such as Play Store™. If there are improperly installed applications on your phone, the phone may not work normally or a serious error may occur. You must uninstall those applications and all associated data and settings from the phone.

4. Using an unlock pattern

Set an unlock pattern to secure your phone. Tap  >  > **Settings** > **Security** > **Screen lock** > **Pattern**. This opens a screen that will guide you through how to draw a screen unlock pattern. You have to create a Backup PIN as a safety measure in case you forget your unlock pattern.

Caution: Create a Google account before setting an unlock pattern and remember the Backup PIN you created when creating your pattern lock.

WARNING

Precautions to take when using pattern lock.

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

< If you have forgotten your PIN or Password >

If you forget your PIN or Password, you will need to perform a hard reset.

Caution: If you perform a hard reset, all user applications and user data will be deleted.

NOTE: If you have not logged into your Google Account and have forgotten your Unlock Pattern, you will need to enter your Backup PIN.

5. Using the Hard Reset (Factory Reset)

If your phone does not restore to its original condition, use a Hard Reset (Factory Reset) to initialize it.

- 1 Turn the power off.
- 2 Press and hold the **Power/Lock Key + Volume Down Key** on the phone.
- 3 Release the **Power/Lock Key** only when the LG logo is displayed, then immediately press and hold the **Power/Lock Key** again.
- 4 Release all keys when the Factory data reset screen is displayed.
- 5 Press the **Volume Key** to scroll to the desired option, then press the **Power/Lock Key** to confirm.



WARNING

If you perform a Hard Reset, all user applications, user data and DRM licenses will be deleted. Please remember to backup any important data before performing a Hard Reset.




Important notice

6. Opening and switching applications

Multi-tasking is easy with Android, you can keep more than one application running at the same time. There is no need to quit an application before opening another one. 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.

- 1 Touch and hold the **Recent Key** . A list of recently used applications will be displayed.
- 2 Tap the application you want to access. This does not stop the previous app running in the background on the phone. Make sure to tap **Back Key**  to exit an app after using it.

7. Transferring music, photos and videos using Media sync (MTP)

- 1 Tap  >  > **Settings** > **Storage** to check out the storage media.
- 2 Connect the phone to your PC using the USB cable.
- 3 Tap  > **USB computer connection** will appear on your phone screen, select the **Media device (MTP)** option.
- 4 Open the memory folder on your PC. You can view the mass storage content on your PC and transfer the files from PC to Device memory folder or vice versa.

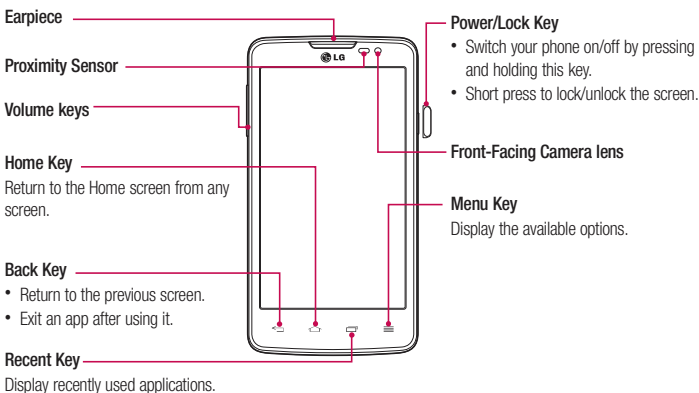
8. Hold your phone upright

Hold your cell phone vertically, as you would a regular phone. Your phone has an internal antenna. Be careful not to scratch or damage the back of the phone, as this may affect performance.

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

Getting to know your phone

Phone overview



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 the LCD and touch screen functions. Do not cover the LCD proximity sensor with protective film. This could cause the sensor to malfunction.

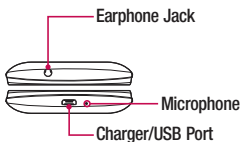
Getting to know your phone

Volume keys

- In the Home screen: Control ringer volume.
- During a call: Control your earpiece volume.
- When playing a song: Control volume continuously.



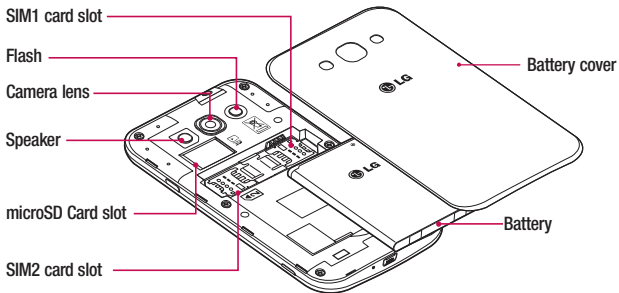
Power/Lock Key



Earphone Jack

Microphone

Charger/USB Port



SIM1 card slot

Flash

Camera lens

Speaker

microSD Card slot

SIM2 card slot

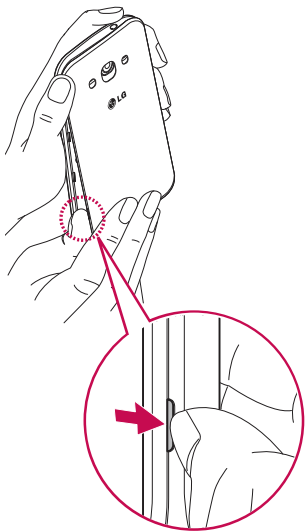
Battery cover

Battery

Installing the SIM card and battery

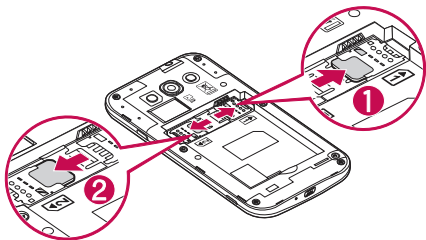
Before you can start exploring your new phone, you'll need to set it up. To insert the SIM card and battery.

- 1 To remove the battery cover, hold the phone firmly in one hand. With your other hand, lift off the battery cover with your Thumb nail as shown in figure.

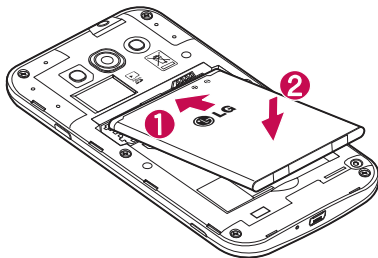


Getting to know your phone

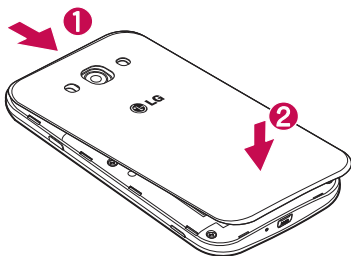
- 2 Slide the SIM card into its slots as shown in the figure. Make sure the gold contact area on the card is facing downwards.



- 3 Insert the battery into place by aligning the gold contacts on the phone and the battery (1) and pressing it down until it clicks into place (2).



- 4 Align the battery cover over the battery compartment (1) and press it down until it clicks into place (2).



Charging your phone

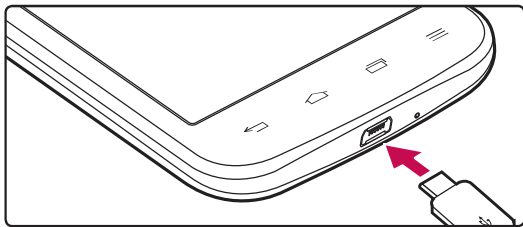
Charge the battery before using it for the first time. Use the charger to charge the battery. A computer can be also used to charge the device by connecting them via the USB cable.

WARNING

Use only LG-approved chargers, batteries, and cables. When using unapproved chargers or cables, it may cause battery charging delay or pop-up message regarding slow charging. Or, unapproved chargers or cables can cause the battery to explode or damage the device, which are not covered by the warranty.

The charger connector is at the bottom of the phone. Insert the charger and plug it into an electrical outlet.

Getting to know your phone



NOTE:

- The battery must be fully charged initially to improve battery lifetime.
- Do not open the back cover while your phone is charging.

Using the memory card

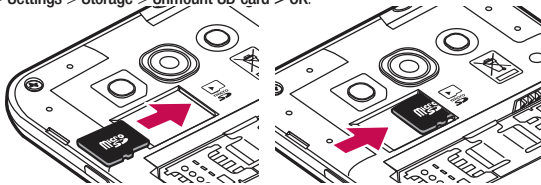
Your phone supports the use of microSD™ or microSDHC™ memory cards of up to 32 GB capacity. These memory cards are specifically designed for mobile phones and other ultra-small devices, and are ideal for storing media-rich files such as music, programs, videos, and photographs for use with your phone.

To insert a memory card:

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

To safely remove the memory card:

Touch  > Settings > Storage > Unmount SD card > OK.



NOTE:

- Use only compatible memory cards with your phone. Using incompatible memory cards may damage the card and data stored on the card, as well as the phone.
- As the device uses FAT32, the maximum size for any given file is 4 GB.




WARNING

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

To format the memory card:

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

NOTE: All files on your memory card are deleted when it is formatted.

- 1 Touch  to open the application list.
- 2 Scroll and touch **Settings > Storage**.
- 3 Touch **Erase SD card > Erase SD card > Erase everything**.
If you have set a pattern lock, input the pattern lock then select **Erase everything**.


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

Locking and unlocking the screen

If you do not use the phone for a while, the screen will be automatically turned off and locked. This helps to prevent accidental taps and saves battery power.

When you are not using the phone, press the **Power/Lock key**  to lock your phone.

If there are any programs running when you lock your screen, they may be still running in Lock mode. It is recommended that you exit all programs before entering Lock mode to avoid unnecessary charges (e.g. phone calls, web access and data communications).

To wake up your phone, press the **Power/Lock key** . The Lock screen will appear. Touch and slide the Lock screen in any direction to unlock your Home screen. The last screen you viewed will open.

Your Home screen

Touch screen tips

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

Tap or touch – A single finger tap selects items, links, shortcuts and letters on the on-screen keyboard.

Touch and hold – Touch and hold an item on the screen by tapping it and not lifting your finger until an action occurs. For example, to open a contact's available options, touch and hold the contact in the Contacts list until the context menu opens.

Drag – Touch and hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. You can drag items on the Home screen to reposition them.

Swipe or slide – To swipe or slide, quickly move your finger across the surface of the screen, without pausing when you first tap it (so you don't drag an item instead). For example, you can slide the screen up or down to scroll through a list, or browse through the different Home screens by swiping from left to right (and vice versa).

Double-tap – Double-tap to zoom on a webpage or a map. For example, quickly double-tap a section of a webpage to adjust that section to fit the width of the screen. You can also double-tap to zoom in and out while viewing the picture.

Pinch-to-Zoom – Use your index finger and thumb in a pinching or spreading motion to zoom in or out when using the browser or Maps, or when browsing pictures.

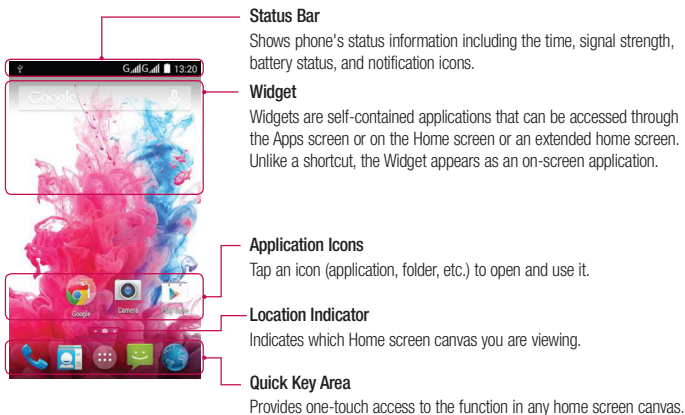
Rotate the screen – From many applications and menus, the orientation of the screen adjusts to the device's physical orientation.

NOTE:

- To select an item, tap the center of the icon.
- Do not press too hard; the tap screen is sensitive enough to pick up a light, yet firm tap.
- Use the tip of your finger to tap the option you want. Be careful not to tap any other keys.

Home screen

The Home screen is the starting point for many applications and functions, and it allows you to add items like application shortcuts, or Google widgets to give you instant access to information and applications. This is the default canvas and accessible from any menu by tapping .



Extended home screen

The operating system provides multiple Home screen canvases to provide more space for adding icons, widgets, and more.

- ▶ Slide your finger left or right across the Home screen.

Your Home screen

Customizing the Home screen

You can customize your Home screen by adding widgets or changing wallpapers.

To add items on your Home screen

- 1 Touch and hold the empty part of the Home screen.
- 2 In the Add Mode menu, select the item you wish to add. You will then see this added item on the Home screen.
- 3 Drag it to the desired location and lift your finger.

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


To remove an item from the Home screen


- ▶ **Home screen** > touch and hold the icon you want to remove > drag it to .

To add an app as a Quick key

- ▶ From the Apps menu or on the Home screen, touch and hold an application icon and drag it to the Quick key area.

To remove an app from the Quick key area

- ▶ Touch and hold the desired quick key and drag it to .

NOTE:  **Apps** key cannot be removed.

Returning to recently-used applications

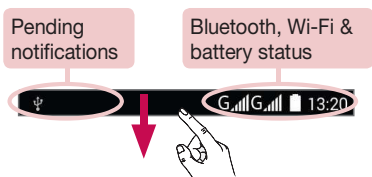
- 1 Touch and hold the **Recent Key** . The screen displays a pop-up containing the icons of applications you used recently.
- 2 Tap an icon to open the application. Or tap  to return to your previous screen.

Notifications panel

Notifications alert you the arrival of new messages, calendar events, and alarms, as well as to ongoing events, such as when you are on a call.

When a notification arrives, its icon appears at the top of the screen. Icons for pending notifications appear on the left, and system icons such as Wi-Fi or battery strength shown on the right.

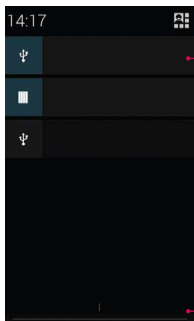
NOTE: The available options may vary depending on the region or service provider.



Your Home screen

Opening the notifications panel

Swipe down from the status bar to open the notifications panel.



Notifications

The current notifications are listed, each with a brief description. Tap a notification to view it.

To close the notifications panel, touch and drag the tab toward the top of the screen.














Indicator icons on the Status Bar

Indicator icons appear on the status bar at the top of the screen to report missed calls, new messages, calendar events, device status and more.



The icons displayed at the top of the screen provide information about the status of the device. The icons listed in the table below are some of the most common ones.

Icon	Description
	No SIM card inserted
	No network signal available
	Airplane mode is on
	Connected to a Wi-Fi network
	Wired headset connected
	Call in progress
	Missed call
	Bluetooth is on
	System warning
	An alarm is set
	New voicemail available
	New text or multimedia message
	A song is currently playing

Icon	Description
	Ringer is silenced
	Vibrate mode is on
	Battery fully charged
	Battery is charging
	Phone is connected to PC via USB cable
	Downloading data
	Uploading data
	GPS is on
	Data is synchronizing
	New Gmail message available
	New Hangouts message available
	Choose input method
	Mobile hotspot is active

Your Home screen

NOTE: The icons location in the status bar may differ according to the function or service.


On-screen keyboard

You can enter text using the on-screen keyboard. The on-screen keyboard appears 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.

Using the keypad & entering text

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

 Tap to switch to the numbers and symbols keyboard.

 Tap to enter a space.

 Tap to delete the previous character.

Entering accented letters

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

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

Then select the special character you want.

Google account setup

When you first turn on your phone, you have the opportunity to activate the network, to sign into your Google Account and select how you want to use certain Google services.

To set up your Google account:

- Sign into a Google Account from the prompted set-up screen.

OR

- Tap  >  > select a Google application, such as **Gmail** > select **New** to create a new account.

If you have a Google account, tap **Existing**, enter your email address and password, then tap 

Once you have set up your Google account on your phone, your phone automatically synchronizes with your Google account on the Web.

Your contacts, Gmail messages, Calendar events and other information from these applications and services on the Web are synchronized with your phone. (This will depend on your synchronization settings.)

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

Connecting to Networks and Devices

Wi-Fi

With Wi-Fi, you can use high-speed Internet access within the coverage of the wireless access point (AP). Enjoy wireless Internet using Wi-Fi, without extra charges.



Connecting to Wi-Fi networks

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

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

NOTE: If you are out of the Wi-Fi zone or have set Wi-Fi to **OFF**, additional charges may be applied by your mobile operator for mobile data use.

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

- 1 Tap  >  > **Settings** > **Wi-Fi**.
- 2 Set **Wi-Fi** to **ON** to turn it on and start scanning for available Wi-Fi networks.
- 3 Tap the Wi-Fi menu again to see a list of active and in-range Wi-Fi networks.
 - Secured networks are indicated by a lock icon.
- 4 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)
- 5 The status bar displays icons that indicate Wi-Fi status.

Bluetooth



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

NOTE:

- LG is not responsible for the loss, interception or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your device.

Turning on Bluetooth and pairing up your phone with a Bluetooth device

You must pair your device with another device before you connect to it.

- 1 Tap  >  > **Settings** > set **Bluetooth** to **ON**.
- 2 Tap the **Bluetooth** menu again. You will see the option to make your phone visible and option to search devices. Now tap **SEARCH FOR DEVICES** to view the devices in the Bluetooth Range.
- 3 Choose the device you want to pair with from the list.

Once the pairing is successful, your device will connect to the other device.

NOTE: Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you will be asked to enter it.

Send data using the Bluetooth wireless feature

- 1 Select a file or item, such as a contact, calendar event or media file, from an appropriate application or from **Downloads**.
- 2 Select the option for sending data via Bluetooth.

NOTE: The method for selecting an option may vary by data type.


- 3 Search for and pair with a Bluetooth-enabled device.

Receive data using the Bluetooth wireless feature

- 1 Tap  >  > **Settings** > set **Bluetooth** to **ON**.

Connecting to Networks and Devices

- 2 Tap the **Bluetooth** menu again and mark the checkbox at the top of the screen to make your phone visible to other devices.

NOTE: To select the length of time that your device will be visible, tap  > **Visibility timeout**.

- 3 Select **Accept** to confirm that you are willing to receive data from the device.

Sharing your phone's data connection

USB tethering and portable Wi-Fi hotspot are great features when there are no wireless connections available. You can share your phone's mobile data connection with a single computer via a USB cable (USB tethering). You can also share your phone's data connection with more than one device at a time by turning your phone into a portable Wi-Fi hotspot.

When your phone is sharing its data connection, an icon appears in the status bar and as an ongoing notification in the notifications drawer.

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

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

- 1 Tap  >  > **Settings** > **More...** > **Tethering & portable hotspot** > **Wi-Fi hotspot** switch to activate.
- 2 Enter a password and tap **Save**.

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

To rename or secure your portable hotspot

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

- 1 Tap  >  > **Settings** > **More...** > **Tethering & portable hotspot** > **Wi-Fi hotspot**.
- 2 Tap **Set up Wi-Fi hotspot**.
 - The **Set up Wi-Fi hotspot** dialogue box will open.

- You can change the **Network SSID** (name) that other devices see when scanning for Wi-Fi networks.
- You can also tap the **Security** menu to configure the network with Wi-Fi Protected Access 2 (WPA2) security using a pre-shared key (PSK).
- If you touch the **WPA2 PSK** security option, a password field is added to the **Set up Wi-Fi hotspot** dialogue box. If you enter a password, you will need to enter that password when you connect to the phone's hotspot with a computer or other device. You can set **None** in the **Security** menu to remove security from your Wi-Fi network.

3 Tap **Save**.

ATTENTION! If you set the security option as Open, you cannot prevent unauthorised usage of online services by other people and additional charges may be incurred. To avoid unauthorized usage, you are advised to keep the security option active.



Wi-Fi Direct

Wi-Fi Direct supports a direct connection between Wi-Fi enabled devices without an access point. Due to the high battery usage of Wi-Fi direct, it is recommended that you plug your phone into a power outlet while using the Wi-Fi Direct feature. Check your Wi-Fi & Wi-Fi Direct network in advance and make sure the users are connected to the same network.

PC connections with a USB cable

Learn to connect your device to a PC with a USB cable in USB connection modes.

Transferring music, photos and videos using the USB mass storage mode

- 1 Connect your phone to a PC using a USB cable.
- 2 If you haven't installed the LG Android Platform Driver on your PC, you will need to manually change the settings. Touch  > **Settings** > **Storage** > Choose  > **USB computer connection**, then select **Media device (MTP)**.
- 3 You can now view the mass storage content on your PC and transfer the files.

Synchronize with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

- 1 Use the USB cable to connect the phone to a PC on which Windows Media Player has been installed.
- 2 Select the **Media device (MTP)** option. When connected, a pop-up window will appear on the PC.


Connecting to Networks and Devices


- 3 Open Windows Media Player to synchronize music files.
 - 4 Edit or enter your device's name in the pop-up window (if necessary).
 - 5 Select and drag the music files you want to the sync list.
 - 6 Start synchronization.
- The following requirements must be satisfied to synchronize with Windows Media Player.

Items	Requirement
OS	Microsoft Windows XP SP2, Vista or higher
Window Media Player version	Windows Media Player 10 or higher



Calls

Making a call



- 1 Tap  >  to open the keypad.
- 2 Enter the number using the keypad. To delete a digit, tap the .
- 3 Tap  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 Tap  to open your contacts.
- 2 Scroll through the contact list or enter the first few letters of the contact you want to call by tapping .
- 3 Select the contact you want to call, tap on the Number.

Answering and rejecting a call





When you receive a call in Lock state, swipe the  to right direction to Answer the incoming call. Swipe the  to left direction to Decline an incoming call.

Swipe the Decline with message icon in any direction if you want to send a message.





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 first call, tap  and dial the number. You can also go to the recently dialled numbers list by tapping  or can search contacts by tapping  and selecting the contact you want to call.
- 2 Tap  to make a call.

Calls

- Both calls are displayed on the call screen. Your initial call is locked and put on hold.
- Tap the displayed number to toggle between calls. Or tap  **Merge calls** to start a conference call.
- To end active calls, tap **End call** icon  or tap  and slide the notification bar down and select the **End call** icon .


NOTE: You are charged for each call you make.

Viewing your call logs

On the Home screen, tap  and choose the **History** tab .



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

TIP!

- Tap any call log entry to view the date, time and duration of the call.
- Tap , then tap **Delete** to delete all the recorded items.

Call settings



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

- On the Home screen, tap .
- Tap .
- Tap **Settings** and choose the options that you wish to adjust.



People

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

Searching for a contact

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


Adding a new contact

- 1 Tap  enter the new contact's number, then tap . Tap **Add to contacts**, then tap **CREATE NEW CONTACT**.
- 2 If you want to add a picture to the new contact, tap the image area. Choose from **Take photo**, **Choose photo from Gallery**.
- 3 Tap a category of contact information and enter the details about your contact.
- 4 Tap **DONE**.



Favorites contacts

You can classify frequently called contacts as favourites.

Adding a contact to your favourites




- 1 Tap  to open your contacts.
- 2 Tap a contact to view its details.
- 3 Tap the star to the right corner of the contact's name. The star will turn grey color.

Removing a contact from your favourites list

- 1 Tap  to open your contacts.
- 2 Tap the  tab, and choose a contact to view its details.
- 3 Tap the grey color star to the right corner of the contact's name. The star turns white color and the contact is removed from your favourites.

People

Creating a group

- 1 Tap  to open your contacts.
- 2 Tap  and tap .
- 3 Enter a name for the new group.
- 4 Tap **DONE** to save the group.



NOTE: If you delete a group, the contacts assigned to that group will not be lost. They will remain in your contacts.

Messaging


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


WARNING: LG message should be set up to default SMS app. If not, some message functions will be limited.


Sending a message

- 1 Tap  on the Home screen and tap  to open a blank message.
- 2 Enter a contact name or contact number in the **Type name or number** field. As you enter the contact name, matching contacts will appear. You can tap a suggested recipient. You can add more than one contact.

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

- 3 Tap the **Type text message** field and begin composing your message.
- 4 Tap  to open the Options menu. Choose from **Insert quick text**, **insert contact**, **Add subject** and **Discard**.

TIP! You can tap the  icon to attach the file, that you want to share with message.

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



WARNING:

- The 160-character limit may vary from country to country, depending on the language and how the SMS is coded.
- If an image, video or audio file is added to an SMS message, it is automatically converted into an MMS message and you are charged accordingly.


Messaging

Threaded box

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

Changing your message settings

Your phone message settings are pre-defined, so you can send messages immediately. You can change the settings according to your preferences.

- Tap the **Messaging** icon on the Home screen, tap  and then tap **Settings**.

Email

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

Your service provider or system administrator can provide you with the account settings you need.

Managing an email account

The first time you open the **Email** application, a set-up wizard opens to help you to set up an email account. After the initial set-up, Email displays the contents of your inbox.

To add another email account:

- Tap  >  > **Email** > tap  > **Settings** > **ADD ACCOUNT**.

To change an email account's settings:

- Tap  >  > **Email** > tap  > **Settings** > **General settings**.




Working with account folders

Tap  >  > **Email** > tap  and select **Folders**.

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

Composing and sending email

To compose and send a message

- 1 While 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 proposed from your Contacts. Separate multiple addresses using semicolons.
- 3 Tap the  to add a Cc/Bcc and tap **Attach file** to attach files, if required.
- 4 Enter the text of the message.
- 5 Tap .

TIP! When a new email arrives in your Inbox, you will be notified by a sound or vibration.

Camera

To open Camera:

From the lock screen, swipe from right to left.

From the Home screen, touch the Camera icon .

Getting to know the viewfinder




- 1 Setting icon:** Tap this icon to change camera/video settings such as flash, exposure and so on.
- 2 Capture button**
- 3 Mode icon:** Tap this icon switch to the desired mode; Camera, Video and Panorama mode.

NOTE: Please ensure the camera lens is clean before taking pictures.

Using the advanced settings

To change camera settings such as flash, exposure and so on, touch the circle to the next to the Capture button.

HDR : HDR+ automatically snaps a rapid burst of photos and combines them to give you the best possible single shot. Daytime shots are vivid with clean shadows and night time shots are sharp with less noise.

EXPOSURE : Defines and controls the amount of sunlight entering the photo.

MORE OPTIONS : Tap to select the advanced options like LOCATION, COUNTDOWN TIMER, PICTURE SIZE, WHITE BALANCE and SCENE MODE.


FLASH MODE : Tap to select the flash mode.

Swap camera : Switch between the rear-facing camera lens and the front-facing camera lens.

TIP!




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

Taking a quick photo

- 1 Open the **Camera** application and point the lens toward the subject you want to photograph.
- 2 Tap  to capture the photo.

Once you've taken a photo

To see the image you just took, swipe from right to left. Keep swiping to see other images in your Gallery

	Tap to send your photo to others or share it via social network services.
	Tap to send an image via MMS.
	Tap to open all advanced options.

Camera

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

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

From your Gallery

Tap  **Gallery**.

- To view more photos, scroll left or right.
- To zoom in or out, double-tap the screen or place two fingers and spread them apart (move your fingers closer together to zoom out).

Video camera

Getting to know the viewfinder



- 1 Setting icon:** Tap this icon to change camera/video settings such as flash, exposure and so on.
- 2 Record button**
- 3 Mode icon:** Tap this icon switch to the desired mode; Camera, Video and Panorama mode.

TIP!

When recording a video, place two fingers on the screen and pinch to use the Zoom function.

Video camera

Using the advanced settings

To change video settings such as flash, White balance and so on, touch the circle to the next to the Record button.



WHITE BALANCE : Improves color quality in various lighting conditions.

MORE OPTIONS : Tap to select the advanced options like Time Lapse or Store location.

Swap camera : Switch between the rear-facing camera lens and the front-facing camera lens.

FLASH MODE : Tap to select the flash mode.

Recording a quick video

- 1 Open the **Camera** application and choose the **Video mode** button.
- 2 The video camera viewfinder appears on the screen.
- 3 Holding the phone, point the lens towards the subject you wish to capture in your video.
- 4 Tap  once to start recording.
- 5 A red light will appear at the top left corner of the viewfinder with a timer showing the length of the video.
- 6 Tap  on the screen to stop recording.

After recording a video

To see the video you just took, swipe from right to left.

Keep swiping to see other video images in your Gallery



Tap to send your video to others or share it via social network services.



Tap to send the video via MMS.



Tap to open all advanced options.

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

From your Gallery

Tap  **Gallery**. Tap on video play icon  to play the video.

Function

Guest mode

To protect your privacy or limit some applications to your children, you can use the Guest mode.

When you lend your phone to others, you can limit the applications to be displayed.

In advance, set the Guest mode and customize the options.

NOTE: To use the Guest mode, the pattern lock should be set in advance.

- 1 Tap  >  > **Settings** > **Guest mode**.
- 2 Tap the Guest Mode switch  to enable this mode.

KNOCKON

You can turn on/off the screen by just double-tap.

To activate KnockON feature

- 1 Tap  >  > **Settings** > **Display** > **KNOCKON**.
- 2 Place a checkmark on **KNOCKON**.

Double-tap the center screen quickly to unlock the screen. To lock the screen, double-tap the status bar in any screen (except on the camera viewfinder) or empty area on the Home screen.

NOTE: When turning the screen on, make sure you do not cover the proximity sensor. Doing so will turn the screen off immediately after turning it on in order to prevent abnormal turning on in your pocket or bag.

Multimedia

Gallery

Open the **Gallery** application to view albums of your pictures and videos.

1 Tap  >  > **Gallery**.


You can manage and share all your image and video files with Gallery.

NOTE:

- Some file formats are not supported, depending on the software installed on the device.
- Some files may not play properly, depending on how they are encoded.

View photos in Gallery

To view your photos, open the Gallery app.



- By default, your photos are automatically organized into Albums. You can also view photos by Location, Time, People, or Tags. Touch Albums at the top of the screen to see these options.
- Once you touch a group of photos, you'll see photos in the Grid view. Touch the Album title at the top of the screen to switch between Grid view and Filmstrip view.
- To see other options, touch **Menu** .

Zooming in and out

Use one of the following methods to zoom in on an image:

- Double-tap anywhere to zoom in.
- Spread two fingers apart on any place to zoom in. Pinch to zoom out, or double-tap to return.

Playing videos

Video files show the  icon in the preview. Select a video to watch it and tap . The Videos application will launch.

Editing photos

When viewing a photo, tap  > **Edit**.

Deleting photos/videos

Use one of the following methods:

- In a folder, touch and hold an image, once image is highlighted then select photos/videos which you wanted to delete, and then tap  > **Delete**.

Multimedia

- When viewing a photo, tap  > **Delete**.


Setting as wallpaper

When viewing a photo, tap  > **Set picture as** to set the image as wallpaper or assign to a contact.

NOTE:

- Some file formats are not supported, depending on the device software.
- If the file size exceeds the available memory, an error can occur when you open files.

Videos

Your phone has a built-in video player that lets you play all of your favorite videos. To access the video player, touch  > **Gallery**.

Playing a video

- 1 Touch  > **Gallery**.
- 2 Select the video you want to play.



1  Touch to pause/resume video playback.



2  Touch to go 5 seconds forward.





Touch to go 15 seconds backward.

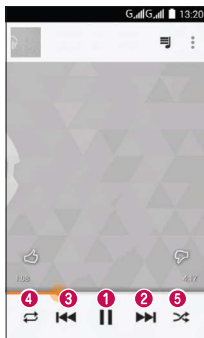
To change the volume while watching a video, press the up and down volume keys on the left-hand side of the phone.

Music

Your phone has a built-in music player that lets you play all your favorite tracks. To access the music player, tap  >  > **Play Music**.

Playing a song

- 1 Tap  >  > **Play Music**.
- 2 Select the song you want to play.






Tap to pause/ resume playback.



Tap to skip to the next track in the album, playlist, or shuffle.

Multimedia

3		Tap to restart the current track or skip to the previous track in the album, playlist, or shuffle.
4		Tap to toggle through the repeat modes to repeat all songs, repeat current song, or repeat off.
5		Tap to play the current playlist in shuffle mode (tracks are played in random order).

Add music files to your phone

Start by transferring music files to your phone:

- Transfer music using Media sync (MTP).
- Download from the wireless Web.
- Synchronize your phone to a computer.
- Receive files via Bluetooth.

Transfer music using Media sync (MTP)

- 1 Connect the phone to your PC using the USB cable.
- 2 Select the **Media sync (MTP)** option. Your phone will appear as another hard drive on your computer. Click on the drive to view it. Copy the files from your PC to the drive folder.

NOTE:

- Some file formats are not supported, depending on the device software.
- If the file size exceeds the available memory, an error can occur when you open files.
- Music file copyrights may be protected by international treaties and national copyright laws. Therefore, it may be necessary to obtain permission or a licence to reproduce or copy music. In some countries, national laws prohibit private copying of copyrighted material. Before downloading or copying the file, check the national laws of the relevant country concerning the use of such material.

FM Radio


Your phone has a built-in FM radio so you can tune in to your favorite stations and listen on the go.

NOTE: You need to use your headphones to listen to the radio. Insert it into the headphone jack.





Utilities

Setting your alarm




- 1 Tap  >  > **Clock** >  > .
- 2 Tap **Done**.
- 3 After you set the alarm, your phone lets you know how much time is left before the alarm will go off.
- 4 Set the **Repeat**, **Alarm sound**, and **Vibration** options.

NOTE: To change alarm settings in the alarm list screen, tap the  and select **Settings**.

Using your calculator

- 1 Tap  >  > **Calculator**.
- 2 Tap the number keys to enter numbers.
- 3 For simple calculations, tap the function you want to perform (+, -, x or ÷) followed by =.
- 4 For more complex calculations, touch  and select the **Advanced panel**, then choose sin, cos, tan, log etc.
- 5 To clear the history, touch  and select the **Clear history**.




Adding an event to your calendar


- 1 Tap  >  > **Calendar**.
- 2 On the screen, you can find the different view types for the Calendar (Day, Week, Month, Agenda).
- 3 Tap on the date for which you wish to add an event and tap .
- 4 Tap **Event name** and enter the event name.
- 5 Tap **Location** and enter the location. Check the date and enter the time you wish your event to start and finish.
- 6 If you wish to repeat the alarm, set **REPETITION** and set **REMINDERS**, if necessary.
- 7 Tap **DONE** to save the event in the calendar.

Sound Recorder

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

Recording a sound or voice

- 1 Tap  >  > **Sound Recorder**.
- 2 Tap  to begin recording.
- 3 Tap  to end the recording.
- 4 Tap  to listen to the recording.

NOTE: Tap  to access your album. You can listen to the saved recording. The available recording time may differ from actual recording time.

Google+



Use this application to stay connected with people via Google's social network service.

- Tap  >  > **Google+**.

NOTE: This application may not be available depending on the region or service provider.

Voice Search

Use this application to search webpages using voice.

- 1 Tap  >  > **Voice Search**.
- 2 Say a keyword or phrase when **Speak now** appears on the screen. Select one of the suggested keywords that appear.

NOTE: This application may not be available depending on the region or service provider.

Utilities

Downloads

Use this application to see what files have been downloaded through the applications.

- Tap  >  > **Downloads**.

NOTE: This application may not be available depending on the region or service provider.

The Web

Browser

Use this application to browse the Internet. Browser gives you a fast, full-color world of games, music, news, sports, entertainment and much more, right on your mobile phone wherever you are and whatever you enjoy.

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

1 Tap  >  > **Browser**.


Using the Web toolbar

Tap slide it upwards with your finger to open.



Tap to go back one page.



Tap to go forward one page, to the page you connected to after the current one. This is the opposite of what happens when you tap , which takes you to the previous page.



Tap to add a new window.



Tap to access bookmarks.

Viewing webpages

Tap the address field, enter the web address and tap **Go**.

Opening a page

To go to new page, tap  > 

To go to another webpage, tap  scroll up or down, and tap the page to select it.

Bookmarks

To bookmark the current webpage, tap  > **Save to bookmarks** > **OK**.

To open a bookmarked webpage, tap  and select one.

The Web

Chrome

Use Chrome to search for information and browse webpages.

1 Tap  >  > **Chrome**.

NOTE: This application may not be available, depending on your region and service provider.

Viewing webpages

Tap the Address field, and then enter a web address or search criteria.

Opening a page

To go to a new page, tap  > **New tab**.

To go to another webpage, tap , scroll up or down and tap the page to select it.

Syncing with other devices

Sync open tabs and bookmarks to use with Chrome on another device when you are logged in with the same Google account.

To view open tabs on other devices, tap  > **Other devices**.

Select a webpage to open.

To add bookmarks, tap the **Menu Key**  >  > **Save**.

Settings

This section provides an overview of items you can change using your phone's System settings menus.

To access the Settings menu:

Tap  >  > **SETTINGS**.

- or -

Tap  >  > **Settings**.




WIRELESS & NETWORKS

< **Wi-Fi** >

Wi-Fi – Turns on Wi-Fi to connect to available Wi-Fi networks.

TIP! How to obtain the MAC address

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

You can find the MAC address in the following user interface: tap  >  > **Settings** > **Wi-Fi** >  > **Advanced** > **MAC address**.

< **Bluetooth** >

Turn the Bluetooth wireless feature on or off to use Bluetooth.

< **Data usage** >

Displays the data usage and set mobile data usage limit.

< **More...** >

Airplane mode – After switching to Airplane mode, all wireless connections are disabled.

Tethering & portable hotspot

Wi-Fi hotspot – You can also use your phone to provide a mobile broadband connection. Create a hotspot and share your connection. Please read "**Sharing your phone's data connection**" for more information.

USB tethering – Connect the USB cable to share the internet connection with the computer.

Bluetooth tethering – Allows you to set your phone whether you are sharing the Internet connection or not.

Hotspot & tethering settings – Select the correct protocol to share the internet connection with the computer.

Settings

NOTE: You must set a lock screen PIN or password before you can use credential storage.

Default SMS app – Allows you to set the default SMS app.

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

Mobile networks – Set options for data roaming, network mode & operators, access point names (APNs) etc.

USB Internet – Sharing Windows PC internet via USB cable.

Sound

Volumes – Adjust the phone's volume settings to suit your needs and your environment.

Phone ringtone – Set the ringtone for calls.

Vibrate when ringing – Checkmark to set the phone to vibrate in addition to the ringtone when you receive calls.

Default notification sound – Set the notification sound.

Dial pad touch tones – Checkmark to play tones while using dial pad.

Touch sounds – Checkmark to play sound when making screen selection.

Screen lock sound – Checkmark to play sound when locking and unlocking the screen.

Vibrate on touch – Checkmark to vibrate when tapping the Home touch buttons and during other UI interactions.

Display

Lock screen notifications – Checkmark to show notifications on lock screen.

Wallpaper – Sets your Lock screen wallpaper. Select it from **Gallery**, **Live Wallpapers**, **Photos** or **Wallpapers**.

Brightness – Adjusts the brightness of the screen. For best battery performance, use the dimmest comfortable brightness.

Auto-rotate screen – Checkmark to set the phone to automatically rotate the screen based on the phone orientation (portrait or landscape).

KNOCK ON – Double-tap the center of the screen quickly to turn screen on and off.

Sleep – Sets the amount of time before the screen times out

Daydream – Tap the Daydream switch to toggle it On or Off. On allows the set screensaver to be displayed

when the phone is sleeping while docked and/or charging. Choose from **Clock, Colors, Google Photos.**

Font size – Sets the size of the font displayed in the phone and menus.

< Storage >

Phone storage – View the internal storage usage.

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

< Battery >

Battery Percentage – Checkmark to display the battery level percentage on the Status Bar next to the battery icon.

< Apps >

View and manage your applications.

< Location >

Turn on location service, your phone determines your approximate location using GPS, Wi-Fi and mobile networks.

Mode – Set the location mode from **High accuracy, Battery saving** and **Device only.**

< Security >

Screen lock – Set a screen lock type to secure your phone. Opens a set of screens that guide you through drawing a screen unlock pattern. Set None, Slide, Face Unlock, Pattern, PIN or Password.

Enable widgets – Checkmark to show the widgets on Lock screen.

Lost phone contact – Select whether to display the owner information on the lock screen and customize the owner information.

Automatically lock – Choose the amount of time before the screen automatically locks after the screen has timed-out.

Power button instantly locks – Allows you to instantly lock the screen when you press the **Power/Lock key.**

Encrypt phone – Allows you to encrypt data on the phone for security. You will be required to enter a PIN or password to decrypt your phone each time you power it on.

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

Make password visible – Show the last character of the hidden password as you type.

Device administrators – View or deactivate phone administrators.

Unknown sources – Default setting to install non-Play store applications.

Verify apps – Disallow or warn before installation of apps that may cause harm.

Storage type - Display the storage type.

Settings

Trusted credentials – Display trusted CA certificates.

Install from phone storage – Choose to install encrypted certificates.

Clear credentials – Remove all certificates.

< Guest mode >

To protect your privacy or limit some applications to your children, you can use the Guest mode.

When you lend your phone to others, you can limit the applications to be displayed.

In advance, set the Guest mode and customize the options. < **Language & input** >

Use the Language & input settings to select the language for the text on your phone and to configure the on-screen keyboard, including words you've added to its dictionary.

< Backup & reset >

Change the settings for managing your settings and data.

Back up my data – Set to backup your settings and application data to the Google server.

Backup account – Set to backup your account.

Automatic restore – Set to restore your settings and application data when the applications are reinstalled on your device.

DRM reset – Backs up all information on the device and restores it in the event of data loss or replacement.

Factory data reset – Reset your settings to the factory default values and delete all your data. If you reset the phone this way, you are prompted to re-enter the same information as when you first started Android.

< Date & time >

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

< Scheduled power on & off >

Enables your phone to turn on or off automatically on the day and time which you schedule.

< Accessibility >

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

NOTE: Requires additional plug-ins to become selectable.

TalkBack

Allows you to set up the TalkBack function which assists people with impaired vision by providing verbal feedback.

Captions – Allows the customizing of caption settings for those with hearing impairments.

Magnification gestures – When this feature is turned on, you can zoom in and out by triple-tapping the screen.

Large text – Checkmark to increase the size of the text.

Power button ends call – Checkmark so that you can end voice calls by pressing the **Power/Lock key**. When this option is enabled, pressing the Power/Lock key during a call does not lock the screen.

Auto-rotate screen – Checkmark to allow the device to rotate the screen depending on the device orientation (portrait or landscape).

Speak passwords – Checkmark to allow voice confirmations of characters when entering passwords.

Accessibility shortcut – Allows you to quickly enable accessibility features.

Text-to-speech output – Sets the preferred speech engine and speech rate.

Touch feedback time – Allows you to set the touch and hold delay (Short, Medium, or Long).

< Printing >

Allows you to print the content of certain screens (such as web pages displayed in Chrome) to a printer connected to the same Wi-Fi network as your Android device.

< About phone >

View legal information and check your phone status and software version.



Connect to a Computer via USB

You can use a USB cable to connect your phone to a PC or Laptop and transfer music, pictures, and other files in both directions.

Transfer user contents via a computer using a USB cable.

Related settings

Settings > Device > Storage > Menu > USB computer connection

- 1 Connect your phone to a computer using a USB cable. Then open the Android phone's Notifications Panel.
- 2 Tap the USB computer connection bar , then (depending on the connected device and transferred files) tap **USB storage**, **Media device(MTP)** or **Camera (PTP)**.
- 3 On the computer, open **My computer** (or **Windows Explorer**), click the removable drive associated with your phone, then transfer all of the files you want to the computer and vice versa.
- 4 On the computer, safely stop/remove the USB Phone. For example, for Windows® XP, use the Safely Remove Hardware option.
- 5 On your phone, open the Notifications Panel, tap Tap the USB computer connection bar ( > **Charge phone** (or **Turn off USB storage**) then disconnect the the phone from the computer.

Phone software update

Phone software update

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

This feature allows you to conveniently update your phone's software to a newer version via OTA, without connecting using a USB data cable. This feature will only be available if and when LG makes a newer firmware version available for your device.

You should first check the software version on your mobile phone: **Settings > About phone > System updates > Check now**.

NOTE: Your personal data from internal phone storage—including information about your Google account and any other accounts, your system/application data and settings, any downloaded applications and your DRM licence—might be lost in the process of updating your phone's software. Therefore, LG recommends that you backup your personal data before updating your phone's software. LG does not take responsibility for any loss of personal data.

NOTE: This feature depends on your network service provider, region and country.

About this user guide

About this user guide

- Before using your device, please carefully read this manual. This will ensure that you use your phone safely and correctly.
- Some of the images and screenshots provided in this guide may appear differently on your phone.
- Your content may differ from the final product, or from software supplied by service providers or carriers. This content may be subject to change without prior notice. For the latest version of this manual, please visit the LG website at www.lg.com.
- Your phone's applications and their functions may vary by country, region, or hardware specifications. LG cannot be held liable for any performance issues resulting from the use of applications developed by providers other than LG.
- LG cannot be held liable for performance or incompatibility issues resulting from registry settings being edited or operating system software being modified. Any attempt to customize your operating system may cause the device or its applications to not work as they should.
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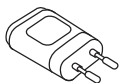
To obtain the corresponding source code under GPL, LGPL, MPL and other open source licences, please visit <http://opensource.lge.com/>

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

Accessories

These accessories are available for use with your phone. (Items described below may be optional.)

Travel adaptor



Stereo headset



Quick Start Guide



Data cable



Battery



NOTE:

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

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Troubleshooting

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


Message	Possible causes	Possible corrective measures
SIM card error	There is no SIM card in the phone or it is inserted incorrectly.	Make sure that the SIM card is correctly inserted.
No network connection/ Dropped network	Signal is weak or you are outside the carrier network.	Move toward a window or into an open area. Check the network operator coverage map.
	Operator applied new services.	Check whether the SIM card is more than 6~12 months old. If so, change your SIM card at your network provider's nearest branch. Contact your service provider.
Codes do not match	To change a security code, you will need to confirm the new code by re-entering it.	If you forget the code, contact your service provider.
	The two codes you have entered do not match.	
No applications can be set	Not supported by service provider or registration required.	Contact your service provider.

Message	Possible causes	Possible corrective measures
Calls not available	Dialling error	New network not authorized.
	New SIM card inserted.	Check for new restrictions.
	Pre-paid charge limit reached.	Contact service provider or reset limit with PIN2.
Phone cannot be switched on	On/Off key pressed too briefly.	Press the On/Off key for at least two seconds.
	Battery is not charged.	Charge battery. Check the charging indicator on the display.
Charging error	Battery is not charged.	Charge battery.
	Outside temperature is too hot or cold.	Make sure phone is charging at a normal temperature.
	Contact problem	Check the charger and its connection to the phone.
	No voltage	Plug the charger into a different socket.
	Charger defective	Replace the charger.
	Wrong charger	Use only original LG accessories.



Troubleshooting


Message	Possible causes	Possible corrective measures
Number not allowed	The Fixed dialling number function is on.	Check the Settings menu and turn the function off.
Impossible to receive / send SMS & photos	Memory full	Delete some messages from your phone.
Files do not open	Unsupported file format	Check the supported file formats.
The screen does not turn on when I receive a call.	Proximity sensor problem	If you use a protection tape or case, make sure it has not covered the area around the proximity sensor. Make sure that the area around the proximity sensor is clean.
No sound	Vibration mode	Check the settings status in the sound menu to make sure you are not in vibration or silent mode.
Hangs up or freezes	Intermittent software problem	Try to perform a software update via the website.

FAQ


Category Sub-Category	Question	Answer
BT Bluetooth Devices	What are the functions available via Bluetooth	You can connect a Bluetooth audio device such as a Stereo/Mono headset or Car Kit. Also, when the FTP server is connected to a compatible device, you can share content stored on the storage media.
Data Contacts Backup	How can I backup Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data Synchronization	Is it possible to set up one-way sync with Gmail?	Only two-way synchronization is available.
Data Synchronization	Is it possible to synchronize all email folders?	The Inbox is automatically synchronized. You can view other folders by tapping the  and select Folders to choose a folder.
Google™ Service Gmail Log-In	Do I have to log into Gmail whenever I want to access Gmail?	Once you have logged into Gmail, no need to log into Gmail again.
Google™ Service Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
Phone Function Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.


FAQ

Category Sub-Category	Question	Answer
Phone Function Ringtone	Is there a file size limitation for when I want to use MP3 file as ring tone?	There is no file size limitation.
Phone Function Message Time	My phone does not display the time of receipt for messages older than 24 hrs. How can I change this?	You will only be able to see the times for messages received the same day.
Phone Function Navigation	Is it possible to install another navigation application on my phone?	Any application that is available at Play Store™ and is compatible with the hardware can be installed and used.
Phone Function Synchronisation	Is it possible to synchronize my contacts from all my email accounts?	Only Gmail and MS Exchange server (company email server) contacts can be synchronized.
Phone Function Wait and Pause	Is it possible to save a contact with Wait and Pause in the numbers?	<p>If you transferred a contact with the W & P functions saved into the number, you will not be able to use those features. You will need to re-save each number.</p> <p>How to save with Wait and Pause:</p> <ol style="list-style-type: none"> 1. From the Home screen, tap the Phone icon . 2. Dial the number, then tap the . 3. Tap Add 2-sec pause or Add wait.
Phone Function Security	What are the phone's security functions?	You are able to set the phone to require that an Unlock Pattern be entered before the phone can be accessed or used.

Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	How do I create the Unlock Pattern?	<ol style="list-style-type: none"> 1. From the Home screen, tap the . 2. Tap SETTINGS > Security > Screen lock. 3. Tap Screen lock > Pattern. The first time you do this, a short tutorial about creating an Unlock Pattern will appear. 4. Set up by drawing your pattern once, and once again for confirmation. <p>Precautions to take when using the pattern lock.</p> <p>It is very important to remember the unlock pattern you set. You will not be able to access your phone if you use an incorrect pattern five times. You have five chances to enter your unlock pattern, PIN or password. If you have used all 5 opportunities, you can try again after 30 seconds. (Or, if you preset the backup PIN, you can use the backup PIN code to unlock the pattern.)</p>

FAQ

Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	What should I do if I forget the unlock pattern and I didn't create my Google account on the phone?	<p>If you have forgotten your pattern:</p> <p>If you logged into your Google account on the phone but failed to enter the correct pattern 5 times, tap the forgot pattern button. You are then required to log in with your Google account to unlock your phone. If you have not created a Google account on the phone or you have forgotten it, you will have to perform a hard reset.</p> <p>Caution: If you perform a factory reset, all user applications and user data will be deleted. Please remember to backup any important data before performing a factory reset.</p>
Phone Function Memory	Will I know when my memory is full?	Yes, you will receive a notification.
Phone Function VPN	How do I set up a VPN?	VPN access configuration is different for each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.
Phone Function Screen time out	My screen turns off after only 15 seconds. How can I change the amount of time for the backlight to turn off?	<ol style="list-style-type: none">1. From the Home screen, tap the .2. Tap SETTINGS.3. Tap Display > Sleep.4. Tap the preferred screen backlight timeout time.

Category Sub-Category	Question	Answer
Phone Function Wi-Fi & mobile network	When Wi-Fi and mobile network are both available, which service will my phone use?	When using data, your phone may default to the Wi-Fi connection (if Wi-Fi connectivity on your phone is set to On). However, there will be no notification when your phone switches from one to the other. To know which data connection is being used, view the mobile network or Wi-Fi icon at the top of your screen.
Phone Function Home screen	Is it possible to remove an application from the Home screen?	Yes. Just touch and hold the icon until the Remove icon appears at the top of the screen. Then, without lifting your finger, drag the icon to the Remove icon.
Phone Function Application	I downloaded an application and it causes a lot of errors. How do I remove it?	<ol style="list-style-type: none"> 1. From the Home screen, tap the . 2. Tap SETTINGS > Apps > Downloaded. 3. Tap the application, then tap Uninstall.
Phone Function Charger	Is it possible to charge my phone using a USB data cable without installing the necessary USB driver?	Yes, the phone will be charged by the USB cable regardless of whether the necessary drivers are installed or not.
Phone Function Alarm	Will my alarm be audible if the phone is turned off?	No, this is not supported.
Phone Function Alarm	If my ringer volume is set to Off or Vibrate, will I hear my alarm?	Your alarm is programmed to be audible even in these scenarios.
Recovery Solution Hard Reset (Factory Reset)	How can I perform a factory reset if I can't access the phone's setting menu?	If your phone does not restore to its original condition, use a hard reset (factory reset) to initialize it.

