ENGLISH

LG-UK410 User Guide

This guide helps you to get started using your tablet.

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⚠Warning Violation of the instructions may cause serious injury or death.

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

- Never use an unapproved battery since this could damage the tablet and/ or battery and could cause the battery to explode.

- Never place your tablet in a microwave oven as it will cause the battery to explode.
- Do not dispose of your battery near fire or with hazardous or flammable materials.

- When riding in a car, do not leave your tablet or set up the hands-free kit near the air bag. If wireless equipment is improperly installed and the air bag is deployed, you may be seriously injured.

- Do not use the tablet in areas where its use is prohibited. (For example: aircraft)

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

- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your tablet. This could cause a fire.

- Do not drop, strike, or shake your tablet severely. It may harm the internal circuit boards of the tablet.

- Do not use your tablet in high explosive areas as the tablet may generate sparks.

- Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause 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.
- Do not handle the tablet with wet hands while it is being charged. It may cause an electric shock or seriously damage your tablet.
- Do not disassemble the tablet.
- Do not place or answer calls while charging the tablet as it may short-circuit the tablet and/or cause electric shock or fire.

- 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.
- Store the battery out of reach of children.

- Be careful that children do not swallow any parts (such as earphone, connection parts of the tablet, etc.) This could cause asphyxiation or suffocation resulting in serious injury or death.

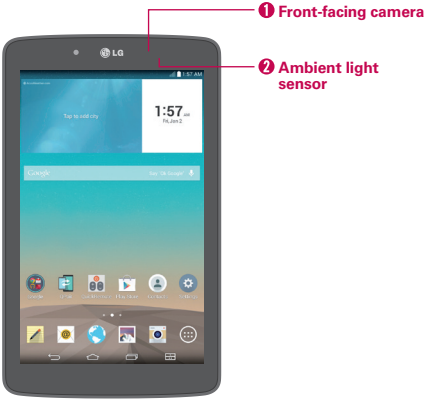
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.

- Only use the batteries and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
- Only authorized personnel should service the tablet and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.

- 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 tablet is turned on.
- Your tablet 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 tablet during or immediately after operation.
- Use and store your tablet in temperatures between 0°C/32°F and 45°C/113°F, if possible. Exposing your tablet to extremely low or high temperatures may result in damage, malfunction, or even explosion.

Tablet Overview

Front View



NOTES
- All screen shots in this guide are simulated. Actual displays may vary.
- Instructions to perform tasks in this guide are based on the default settings and may change depending on the mode and software version on your tablet.

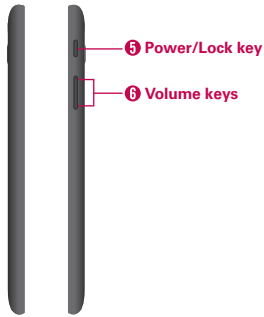
1. **Front-facing camera** Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep it clean for optimal performance.
2. **Ambient light sensor** Measures the surrounding light and adjusts the LCD brightness to provide a vivid screen.

WARNING! Placing a heavy object on the tablet or sitting on it can damage the LCD and touchscreen functions. Do not cover the ambient light sensor with a protective film. This could cause the sensor to malfunction.

Rear View

3. Rear-facing camera Use to take photos and record videos. Keep it clean for optimal performance.
4. Speakers Use to listen to the audio from the selected function (e.g., music, videos, sound clips, etc.).

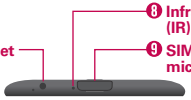
Side Views



5. **Power/Lock key** Press to lock/unlock the screen. Press and hold to turn the tablet on/off, restart it, activate/deactivate airplane mode, and change the sound settings.

6. **Volume keys** Allow you to adjust the media volumes. Press and hold both keys at the same time to access the QuickMemo feature.

Top and Bottom Views



Top

Bottom

7. **Headset jack** Allows you to plug in an optional listening accessory, such as headphones to listen to music.

8. **Infrared (IR) LED** Used as a sensor for the QuickRemote app.

9. **SIM card / microSD card slot** Allows you to insert your SIM card and a microSD card. A valid SIM card is required to have access to the mobile network. Insert a microSD card to store your personal data files (e.g., music, videos, photos, etc.).

10. **Microphone** Records your voice and is used for voice-activated functions.

NOTE Make sure that the microphone is not blocked when recording a video or audio clip.

11. **Charging port** Allows you to connect the tablet and the USB Cable for use with the Charger Adapter, your PC, or other compatible accessories.

TIPS!

- Tap the **Menu key** (touch key located at the bottom of the touchscreen) whenever you open an application to check the options that are available for that app.
- If the device freezes up and stops working, press and hold the **Power/Lock key** (on the right side of the tablet) for about 6 seconds until the screen turns off. Wait a few seconds, then turn the tablet back on.

Home screen overview

12. Status bar Shows device status information, including the time, Wi-Fi signal strength, battery status, and notification icons.

13. Application icon Tap an icon (application, widget, folder, etc.) to open and use it.

14. Quick Access Bar Provides quick one-touch access to the functions you use most often. The icons in this bar display on all of the Home screen canvases.

15. Touch keys bar Provide easy navigation anywhere you are in the software. They are the Back key, the Home key, and the Menu key. The keys on this bar can be changed (see the Display settings menu).

Help

The **Help** application allows you to quickly and conveniently view information about your tablet, including basic definitions, How-to videos, icon glossary, user guide, and more.

To access Help, from the Home screen, tap **Apps** > **Help**.

Non-Removable Battery

Your tablet has an internal, rechargeable battery that should be replaced only by LG or an authorized LG repair center. You should never try to open or take apart this tablet yourself. Opening the tablet can cause damage that will void your warranty.

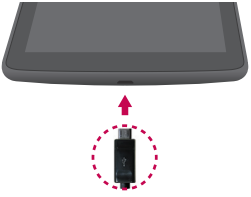
Charging your tablet

A rechargeable battery is used to power your tablet. Charge the battery using the USB cable (power cord) and the charger (power outlet adapter) included with your tablet. Make sure to fully charge the battery before using your tablet for the first time.

WARNING! If the touchscreen won't function while the tablet's in the process of charging, this may be due to an unstable power supply. If this occurs, disconnect the USB Cable from the tablet or unplug the Charger from the power outlet.

1. Connect the USB cable to the charging head.

2. Insert the other end of the USB cable into the charging port.



3. Plug the charger into an electrical outlet.

TIP! Use only an approved charging accessory to charge your tablet. Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage to your tablet and void the warranty.

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.
- Turn off automatic syncing for Gmail™, Calendar, Contacts, and other apps.
- Some apps you've downloaded may consume high amounts of battery power. While using your downloaded apps, check the battery charge level and monitor the battery usage.
- Lower the screen brightness setting and set a shorter screen timeout.

NOTE Allowing other devices to use your tablet's hotspot connection will also drain your battery more quickly.

To view the battery charge level

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **About tablet** > **Battery**.

NOTE Settings are displayed in a split-screen format with the menus on the left and corresponding selections on the right.

2. The battery status (charging or discharging) and percent of remaining charge are displayed at the top right side of the screen.

To monitor and control what uses the battery

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **About tablet** > **Battery** > **Battery use**.
2. The right side of the screen displays battery usage details and includes a usage graph as well as a list of apps or services using battery power from greatest amount to least.

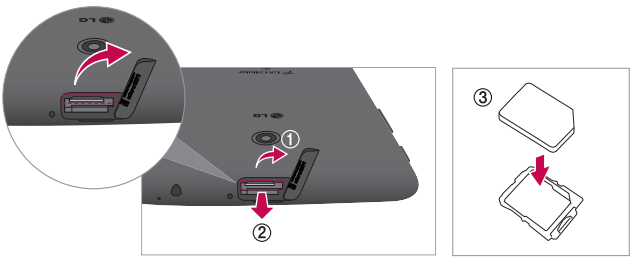
Installing the SIM card*

NOTE If not already inserted, follow the instructions below to insert your 4G LTE SIM card.

1. To install the SIM card, locate and open the cover to the slot and gently pull out the SIM card tray.

NOTE There are two slots underneath the cover (the other slot is for a microSD card).

2. Insert the 4G LTE SIM card into the tray with the logo face up. Push the tray back into the slot until it “clicks” into place and close the cover.



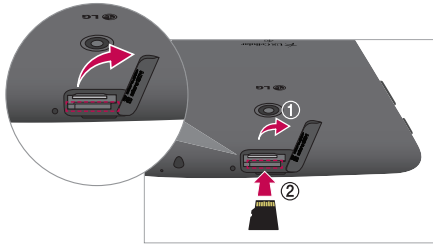
Installing & Removing the microSD Card

Your tablet supports a removable memory card (sold separately).

1. To install a microSD card, locate and open the cover to the slot.

NOTE There are two slots underneath the cover (the other slot is for a SIM card; note the tray).

2. Position the microSD card with the gold strips facing towards the back of the tablet. Slide the microSD card into the slot until it “clicks” into place and replace the cover.



Removing your microSD Card

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Storage** > **Unmount SD card**.

NOTE Settings are displayed in a split-screen format with the menus on the left and corresponding selections on the right.

2. Push the microSD card inward until the card "clicks" and carefully slide the card out of the slot and replace the cover.

NOTE The card should pop partially out of the slot.

WARNING! Do not remove the microSD card without unmounting it first. Otherwise, it may damage the microSD card as well as your tablet, and the data stored on the microSD card may be corrupted.

Formatting the microSD card

WARNING! All of the files stored on your microSD card are deleted when you format the card. Back up any data stored on it before formatting.

1. From the Home screen, tap **Apps** > **Settings** > **Storage**.
2. Tap **Erase SD card** (twice).
3. If you set an unlock pattern, enter it, then tap **Erase everything**. The card will then be formatted and ready to use.

Powering Your Tablet On/Off

It's important to fully charge the battery before turning on your tablet.

Turning the tablet on

- Press and hold the **Power/Lock key** on the right side of the tablet for a couple of seconds until the screen turns on.

Turning the tablet off

1. Press and hold the **Power/Lock key** on the right side of the tablet until the **Tablet options** menu appears.
2. Tap **Power off** in the Tablet options menu.
3. Tap **OK** to confirm that you want to turn off the tablet.

NOTE When the screen is dark due to time-out, press and hold the **Power/Lock key** until an advisory message is displayed. Keep pressing the key and the tablet will automatically turn itself off without needing to use the Tablet options menu.

Touchscreen

Your touchscreen provides an excellent way to interact with and use your Android™ device. With the touch of your finger, you can download and use available applications, make menu selections, and access data saved to your tablet.

The following terms are used for describing the different available actions using the touchscreen:

Tap or touch

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

NOTES
- To select an item, tap the center of the icon.
- Don't press too hard; the touchscreen is sensitive enough to pick up a light, yet firm touch.
- Use the tip of your finger to touch the option you want. Be careful not to touch any other icons.

Touch and hold

Touch and hold an item on the screen by touching 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. For example, you can drag items on the Home screen to reposition them.

Swipe, slide, or flick

Move your finger quickly across the surface of the screen, without pausing when you first touch it (so you don't drag an item instead). For example, you can browse through the different Home screens by swiping to the left or right, slide the screen up or down to scroll through a list, or remove an application from the Recent Apps screen by flicking its graphic off the screen.

Double-tap

Tap the screen twice quickly to zoom, highlight text, or turn the screen on/off. For example, quickly double-tap a section of a webpage to adjust that section to fit the width of the screen and zoom in and out when viewing a picture and when using Maps. Double-tap a word to highlight it. Double-tap can also activate the KnockON feature to turn the touchscreen on or off.

Pinch-to-zoom

Use your index finger and thumb in a pinching motion (to zoom out) or spreading motion (to zoom in) when using Chrome, a map, photos, the rear camera lens, the Contacts list, the Favorites list, the Groups list, a music list, and Polaris Office 5 documents. Spread apart to make screen information larger (easier to see and read), or pinch together to view more area and information. The pinch gesture also changes the Home screen. Pinch in on the Home screen to change to mini canvas view, then spread apart to return to the normal Home screen view. Spread apart on the normal Home screen to hide all of your Home screen items, then pinch in to redisplay them.

Rotate the screen

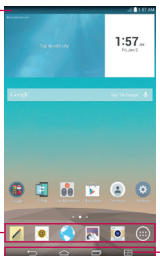
From many apps and menus, the orientation of the screen adjusts to the device's physical orientation. You can deactivate this function in the Display settings menu.

Home Screen

Simply swipe your finger to the left or right to view the panels. You can customize each panel with apps, downloads, widgets and wallpapers.

The Quick Access Bar available at the bottom part of the Home screen provides easy, one-touch access to the functions you use the most.

Status Bar
Shows device status information, including the time, Wi-Fi signal strength, battery status, and notification icons.



Dual Window Key

Quick Access Bar
Provide easy, one-touch access to the functions used most often.

Recent Apps Key

Back key
Returns to the previous screen. Also closes pop-up items such as menus, dialog boxes, and the on-screen keyboard.

Home Key
Returns to the Home screen (or returns to your default Home screen canvas from any of the Home screen extension canvases). Touch and hold it to display recently used applications with access to the Task Manager application.

Customizing the home screen

You can customize your Home screen by adding apps, downloads, widgets or wallpapers. For more convenience using your tablet, add your favorite apps and widgets to the Home screen.

To add items on your home screen:

1. Touch and hold the empty part of the Home screen.
2. Tap the **Apps** or **Widgets** tab.
3. Drag the desired item to the desired location and lift your finger.

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

TIP! You can add several app icons in a folder. Drop one app icon over another one on a Home screen, and a folder will be created.

To remove an item from the home screen:

Touch and hold the icon you want to remove, drag it to , and lift your finger.

To change the look of your home screen

From the Home screen, touch and hold the **Recent Apps Key** > **Home screen settings** to access the following settings to personalize your Home screen.

- **Theme:** Sets the overall ambiance of the Home screen. Choose **Basic** or **Marshmallow**.
- **Wallpaper:** Sets the wallpaper. Choose **Gallery**, **Live Wallpapers**, **Multi-photo**, **Photos**, and **Wallpaper gallery**.
- **Screen swipe effect:** Sets how the items on the Home screen canvases slide from one to the next. Choose from **Basic**, **Breeze**, **Accordion**, **Panorama**, **Carousel**, **Layer**, and **Domino**.
- **Allow Home screen looping:** Checkmark this setting so that the Home screen canvases rotate continuously (does not stop at the far left or right canvas).
- **Allow apps list looping:** Checkmark this setting so that the Application screen canvases rotate continuously (does not stop at the far left or right right canvas).
- **Portrait view only:** Checkmark this setting so that the Home screen is always displayed in portrait view even though you rotate the tablet to landscape view.
- **Help:** Tap to view help information about customizing the Home screen.

Customizing app icons on the Home screen

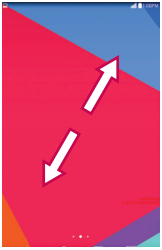
You can customize each application icon with images from your Gallery.

1. Touch and hold an application icon until it's unlocked from its current position. Then drop it on the screen. The editing icon will appear in the upper right corner of the application.

2. Tap the application icon again and select the desired icon design and size from the **Theme icon** tab. Or select a picture from the **Gallery**.

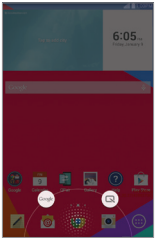
Home screen clean view

You can see the wallpaper without items on the Home screen by pinching out. Pinch in or tap the **Back key** to see applications and widgets again.



Quick access

To view the quick access items, swipe in any direction without releasing your finger from the front key area and slide your finger to the desired option. The following options are available: Voice Mate, Google Search, and QuickMemo.



Returning to recently-used applications

1. Touch and hold the **Home key** . The screen displays a pop-up containing the icons of applications you used recently.

2. Touch an icon to open the application. Or touch the **Back key** to return to your previous screen.

Notifications

Notifications alert you to the arrival of new messages, calendar events, and alarms, as well as to ongoing events, such as downloads, music, etc.

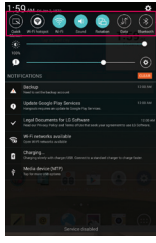
The Status Bar displays your tablet's current status and pending notifications. When a notification arrives, its icon appears at the top of the screen. Pending notification icons appear on the left and system icons (that indicate things like Wi-Fi or battery strength) are displayed on the right.

Accessing notifications

Swipe the Status Bar downward to open the Notifications Panel to access your notifications. To close the Notifications Panel, swipe the bar at the bottom of the screen upward.

Notifications Panel

The Notifications Panel includes your notifications, the Quick Settings bar, the QSlide bar.



Quick Settings Bar
Swipe to the right or left to scroll through the list. Tap an icon to activate/deactivate the feature.

Notifications Panel

Quick Settings on the Notifications Panel

The Quick Settings are located at the top of the Notifications Panel. Use them to easily toggle function settings on and off, such as Wi-Fi, Silent mode, Airplane mode, etc.

NOTE Touch and hold an icon in the Quick Settings Bar to view the function's settings menu.

To rearrange Quick Setting icons on the Notification Panel

Open the Notifications Panel, swipe the Quick Settings to the left, and tap the **Edit** icon to customize the Quick Settings Bar. Checkmark icons to display (or remove the checkmark to hide) it. Drag an icon's handle to move it to another position on the bar.

NOTE Changing the checkmarks also reorganizes the icons in the Quick Settings Bar.

QSlide apps on the Notifications Panel

QSlide apps are displayed in a bar on the Notifications Panel below the Quick Settings Bar. These icons provide a quick, convenient way to multi-task on the same screen (similar to picture-in-picture on a TV). QSlide displays a small window on the screen that can be moved, resized, or made transparent.

NOTE The QSlide function can support up to two windows at the same time.

Status Bar Icons

The following icons may appear on the Status Bar.

	Airplane mode is on		Downloading data
	Connected to a Wi-Fi network		Uploading data
	Wired headset connected		An alarm is set
	Bluetooth is on		GPS is on

	System warning		Data is syncing
	Vibrate mode is on		New Gmail message
	Silent mode is on		New Hangouts message
	Battery fully charged		A song is currently playing
	Battery is charging		Tablet is connected to PC via USB cable
	Content sharing is on		Battery saver mode is on
	Uploading data		Slide Aside is active

NOTE The location of the icons in the Status Bar may differ depending on the features, apps, and services being used.

Using a Screen Lock

Set a screen lock to secure your tablet from unauthorized (or unintentional) use. Tap the **Home key** (in the Touch Key Bar) > **Apps** (in the Quick Access Bar) > **Settings** > **Display** > **Lock screen** > **Select screen lock**, then select the screen lock you want to use. You are prompted to create a Backup PIN as a safety measure in case you forget your screen unlock sequence.

None: No lock screen is enabled so the screen will never be locked from use.

Swipe: A swipe motion in any direction on the touchscreen unlocks the screen. This is the default Lock screen.

Face Unlock: Face recognition unlocks the screen. The tablet captures your image to identify you. Keep in mind that Face Unlock is less secure than a pattern, PIN, or password because it uses generalized shape and dimension to verify your face.

Pattern: A pattern you draw with your finger unlocks the screen. The first time you set an unlock pattern, you'll see a tutorial with instructions on how to create it. Read the tutorial, then tap **Next**. Draw your pattern (connect at

least 4 dots), then tap **Continue**. Draw your pattern again, then tap **Confirm**.

PIN: A number sequence unlocks the screen. Enter a PIN (at least 4 digits), then tap **Continue**. Enter your PIN again, then tap **OK** to confirm it.

Password: An alphanumeric sequence unlocks the screen. Enter a password (at least 4 characters), then tap **Continue**. Enter your password again, then tap **OK** to confirm it.

From then on, any time you want to unlock the screen, you will need to perform the unlock action you set (swipe, face recognition, pattern, PIN, or password) to gain access to it.

CAUTION Create a Google Account before setting a screen lock and remember the Backup PIN you created so you minimize the risk of needing to perform a hard reset which will delete your personal data.

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

If you can't remember your unlock sequence, tap **Forgot pattern?** at the bottom of the screen, then you can unlock the tablet using your Google Account (if you activated it on the tablet) or your Backup PIN that you created when you set up the screen lock sequence.

- Enter your Google Account username and password, then tap **Sign in**.
- Enter your Backup PIN, then tap **OK**.

Unlock sequence attempts

You have 10 attempts to successfully enter your unlock sequence.

- After 5 attempts, you are prompted to manually enter text to verify that you are trying to unlock the screen (it's not just random movements touching the screen).
- After 10 attempts, the tablet will automatically perform a hard reset and erase all of the user data stored on the tablet.

NOTE A warning message is displayed after the 9th attempt.

If you didn't activate a Google Account on the tablet and you forgot your Backup PIN, you have to perform a hard reset.

CAUTION If you perform a hard reset, all user applications and user data will be deleted from your tablet's memory.

Performing a Hard Reset (Factory Reset)

If you forget your lock sequence and your Backup PIN, and you didn't activate your Google Account on your device, you'll have to perform a hard reset to gain access to your tablet.

WARNING! Performing a hard reset deletes all of your user data, which includes pictures, videos, and music saved to your internal memory. Please make sure to back up your information prior to performing a hard reset.

1. Turn the tablet off.
2. Press and hold both the **Power/Lock key** and **Volume Down** on the right side of the tablet at the same time.
3. When you see the System recovery screen, release the keys.

Four choices are displayed: Continue reboot, Factory data reset, Wipe cache, and Safe mode boot. Press either of the **Volume keys** to highlight **Factory data reset**, then press the **Power/Lock key**.

NOTE Highlight **Continue reboot** to simply restart your tablet without performing a hard reset.

4. The Factory data reset screen is displayed. Press either of the **Volume keys** to highlight **Yes** or **No (Exit)**, then press the **Power/Lock key** to continue.
5. Your device will perform a hard reset.

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.

Using the KnockON feature

The **KnockON** feature allows you to double-tap the screen to easily turn the screen on or off. You can disable this feature in the Display settings.

For the best results, keep the tablet still when using KnockON.

- Quickly double-tap the center of the screen to turn the screen on.
- Quickly double-tap the Status Bar, an empty area on the Home screen, or the Lock screen to turn the screen off.

NOTE The KnockON feature can be turned off in the Display settings menu. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Display** > **KnockON** > tap the **KnockON** checkbox .

To unlock the tablet

If you don't use the tablet for a while, the screen and backlight will turn off to conserve battery power. To unlock the tablet:

1. Turn the screen on.
   - Press the **Power/Lock key** on the right side of the tablet.

   OR

   - Quickly double-tap the center of the screen (KnockON).
2. The default Lock screen will appear. From the center of the screen, swipe in any direction to unlock it.
   - To use a Swipe Lock screen shortcut, swipe the shortcut icon at the bottom of the screen in any direction. The screen will unlock and launch the app.

NOTE The default Lock screen simply locks the screen to prevent unintentional actions. For more security to guard against unauthorized use, you can set an unlock requirement (such as a pattern, PIN, password, or face recognition) that will need to be entered to unlock it. Please refer **Using a Screen Lock** on page 22 for more information.

Multiple Users

Only one tablet owner ID can be created, but multiple user IDs can be added so that others can log in and use the tablet independently. Each user can configure their own tablet settings, use their own storage space, and have their own app update privileges.

Tablet owner privileges

- Only the tablet owner ID can add a new user log in ID and remove user IDs.
- Only the tablet owner ID can access and use the microSD card.

- The Tablet owner can uninstall any of the user's apps.

Multiple tablet user limitations

- All users share the same battery, internal memory, and data usage with all of the other users.
- The language settings set by one user applies to all of the other users.
- Each user can configure and use only their own content and data (e.g., Home screen settings, Sound settings, etc.).
- Any user can accept updated app permissions on the behalf of all of the other users.
- Alarms will sound at the set time no matter which user activated the alarm(s).
- Messages and scheduled calendar events will be sent to notify the specified user ID only.
- Once a user starts printing a document using Mobile Print, the print job will continue even if the user ID is changed.
- Data transfer, download, multimedia play, and communication services will stop if the user ID is changed.

To add a new user on your tablet

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Users** > **Add user**.
2. The set up wizard opens to allow the new user to enter their information. Tap **Set up now** and swipe to unlock the screen. Then follow the set-up steps.
3. After set-up is completed, the new user is logged in. Switch users, if necessary.

To switch users

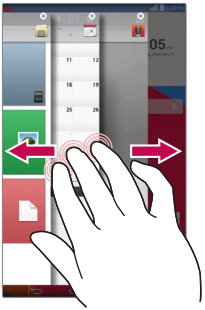
1. Press the **Power/Lock key** to lock the tablet's screen.
2. Press the **Power/Lock key** again to wake up the tablet's screen.

3. Tap one of the colored icons at the bottom of the screen to switch to that user.

NOTE You can change the generic colored icon to an image to identify the user instead. Tap **Users** in the Settings menu, tap the users icon, tap the photo icon next to the name, then follow the prompts to change it.

Slide Aside

Slide Aside allows you to quickly switch between three open apps (or tasks) for convenient multi-tasking.



1. While an application is open, place three fingers on the screen and slide to the left. The current screen is saved and the Home screen appears allowing you to open another app (you can save up to three apps).

2. To re-open the saved apps, place three fingers on the screen and slide to the right. Tap the desired app you want to open.

TIP! The Slide Aside feature does not recognize fewer fingers, additional fingers, or your palm.

TIP! You must be in an application, not on the Home screen, to use Slide Aside.

Using the Slide Aside feature

After activating the Slide Aside screens you want to use:

- Place three fingers on the screen and slide them to the right. A fanned-out portion of each screen is displayed. Tap one to open and use it.
- While viewing a Slide Aside screen, use three fingers to slide the screens to the right or left to scroll through the screens one at a time.

NOTE Slide Aside screens do not scroll circularly. You cannot slide the far right screen to the left. When you slide it to the right, the fanned-out portions are displayed.

- To close a Slide Aside screen, tap the Close icon displayed in the upper-right corner of a Slide Aside screen in the fanned-out view.

Plug & Pop

The Plug & Pop function allows you to quickly choose apps to use when plugging in an earphone or On-the-Go device, such as a mouse or keyboard.

3. Plug an earphone or OTG (On-the-Go) in to the appropriate port on your tablet.
4. The applications panel will display and you can select an app to run.

NOTE You can edit the apps to display on the panel and set not to show the applications panel.

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Accessory**.

Capturing a Screenshot

Press and hold the **Volume Down** and the **Power/Lock key** at the same time for 2 seconds to capture a screenshot of the current screen.

To view the captured image, tap **Apps** (in the Quick Access Bar) > **Gallery** > **Screenshots** folder.

TIP! You cannot capture a screen shot of the camera or video camera screens.

Using QuickMemo to capture a screenshot

On the screen you want to capture, drag the Status Bar downward and tap the **QuickMemo icon** (in the Quick Settings Bar).

OR

Press and hold both of the **Volume keys** at the same time.

The Smart screen and Smart video features

The Smart screen and Smart video features keep the device from activating screen timeout when it detects your eyes looking at the screen. When you turn these features on, you can set a shorter screen timeout setting to

conserve your battery power, but still allow you to view a screen for a longer period of time without having to touch it to keep it activated.

To turn these features on, from the Home screen, tap the touch and hold the **Recent Apps Key** (in the Touch Keys Bar) > **Settings** > **Display** > checkmark the **Smart screen** checkbox and/or the **Smart video** checkbox.

NOTE The following situations may prevent these features from functioning properly:

- When the device is in the dark or against bright light.
- When the front camera lens cannot detect the location of your eyes.
- When the front camera is used at the same time with other apps.

Entering Text

Text is entered 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 and 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 that also includes graphics, such as faces and images.

Tap to enter a space.

Tap to create a new line in the message field.

Tap to delete the previous character.

Tap to use the voice input function. You can also touch and hold this icon to enter text by handwriting, access Clip Tray, and access Settings. The icon displayed changes depending on the function you used last.

Entering special characters

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

Touch and hold the desired key (for example, the "a" key). A pop-up appears with additional available characters. Slide your finger over the character you want, then lift your finger to enter it.

NOTE A symbol at the top right of a key indicates that additional characters are available.

Text input settings

To change your text entry settings and see the dictionary of terms you've used, from the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Language & input**. The following options are available in the KEYBOARD & INPUT METHODS section.

- **Default** - Allows you to choose the default keyboard to use when entering text and set up your input methods.
- **Google voice typing** - Checkmark to select Google voice typing to enter text. Tap the **Settings** icon to change the Google voice typing settings.

  Choose input languages: Allows you to select the languages to support with Google voice typing.

  Block offensive words: Checkmark to hide recognized offensive text.

  Offline speech recognition: Enables voice input while offline.
- **LG Keyboard** - Tap the **Settings** icon to change the following settings.

  Input language and type: Allows you to select the keyboard language and type. This is where you can select multiple languages for your keyboard input.

  Word suggestion: Checkmark to enable the suggestion settings you set which include Auto correction, Suggest next word, and Advanced word suggestion. You can also clear the history.

  Auto capitalization: Checkmark to automatically capitalize the first letter of each new sentence.

  Auto punctuation: Checkmark to automatically insert a period when you double-tap the Space Key.

Voice input: Checkmark to show the **Voice Input Key** on the keyboard.

Path input: Checkmark to enter a word by drawing a path through all of the letters.

Handwriting: Allows you to set the handwriting style. Set the pen type (width), color, delay time, and gestures used when your handwriting is translated to text on your tablet.

Keyboard gesture: Allows you to activate the Hide keyboard and Split keyboard functions.

Additional settings: Allows you to set the additional settings that include Extend keyboard, Vibrate on keypress, Sound on keypress, and Preview on keypress.

Help: Displays text input settings information.

Languages

You can set only one default language for your tablet, but you can set multiple languages used for the on-screen keyboard.

To change the default language

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Language and input** > **Language** > tap the language you want.

To add additional languages for your keyboard

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Language and input**. Tap the **Settings** icon to the right of LG Keyboard, tap **Input language and type**, then checkmark the languages you want the keyboard to be able to use.

OR

- Open the Notifications Panel (when an app that allows text input is open), tap **Choose input method** > **Setup input methods** > the **Settings** icon to the right of LG Keyboard > **Input language and type**, then checkmark the languages you want to be able to use.

Google Account Setup

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

You must sign into a Google Account to use Gmail, Hangouts, Google Calendar, and other Google apps; to download apps from the Play Store; to back up your settings to Google servers; and to take advantage of other Google services on your tablet.

To set up your Google Account

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

  OR

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings** > **Add account** > **Google**.

If you have a Google account, tap **Existing**, enter your email address and password, then tap the **Continue** icon . Otherwise, tap **New** and enter the necessary information to create a new Google Account.

Once you've set up your Google Account on your tablet, your tablet automatically synchronizes with your Google Account on the Web.

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

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

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 tablet, 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 tablet to be able to connect to them. Turn off Wi-Fi when you're not using it to extend the life of your battery.

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

1. From the Home screen, tap **Apps** > **Settings** > **Wi-Fi**.
2. Tap OFF ON to turn Wi-Fi on and start scanning for available Wi-Fi networks.
3. Tap **Search** to see a list of active and in-range Wi-Fi networks.
   - Secured networks are indicated by a lock icon.
4. Touch 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 your 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 or tablets.

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 tablet with a Bluetooth device

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

1. From the Home screen, tap **Apps** > **Settings** > **Bluetooth**.
2. Tap OFF ON to turn Bluetooth on. You will see the option to make your tablet visible. Then tap **Search for devices** to view the devices in range.
3. Choose the device you want to pair with from the list.

Once the paring is successful, your device will connect to the device.

NOTE Your tablet doesn't support Handsfree Profile. Therefore, the use of call features with some of accessories, such as Bluetooth headsets or Bluetooth-enabled devices, may not be available for this device.

Send data using the Bluetooth wireless feature

1. Open the item and tap .

   OR

   Touch and hold the item and select **Share**.

   OR

   Open the item and touch and hold the **Recent Apps Key** > **Share**.
2. Tap **Bluetooth** to share 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. From the Home screen, tap **Apps** > **Settings** > **Bluetooth**.
2. Tap OFF ON to turn Bluetooth on and mark the checkbox next to the tablet name to make the tablet visible on other devices.

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

3. Pair the devices and tap **Accept** when you receive a Bluetooth Authorization Request to accept the file(s).

SmartShare

You can enjoy SmartShare feature on Gallery, Music, Video, and Polaris Office.

To send content from your tablet to other devices

1. On the content you want to play or beam, tap .
2. Tap **Play** or **Beam** in the dialog box.
   - **Play:** You can stream your content via TV, Bluetooth speaker, etc.
   - **Beam:** You can send your content to Bluetooth devices or SmartShare Beam*-supported LG smartphone or tablets.

* SmartShare Beam quickly transfers multimedia contents through Wi-Fi Direct.

3. Tap the device to play or receive on the list.
   - If the device is not on the list, make sure on the device that Wi-Fi, Wi-Fi Direct, or Bluetooth connection is turned on. Then tap **Rescan**.
4. Tap **Send**.

To enjoy content from nearby devices such as a computer or mobile device on your tablet

1. To connect the nearby devices to your tablet, tap **Nearby devices**.

<Gallery>

- Ensure that your tablet and nearby devices are connected to the same Wi-Fi network.
- Make sure that the DLNA feature on the nearby device is turned on.

2. Tap the device to connect.
   If the device is not on the list, tap **Search nearby devices**.

After connection, you can enjoy the contents from the nearby device on your tablet.

PC connections with a USB cable

You can connect your tablet to your PC to charge it, transfer items to the PC from the tablet and vice versa.

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

1. Connect your tablet to a PC using the USB cable (power cord) included with your tablet.
2. If you haven't installed the LG Android Platform Driver on your PC, you will need to manually change the settings. From the Home screen, tap the **Menu key** > **Settings** > **PC connection** > **Select USB connection method** > **Media sync (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 tablet to a PC on which Windows Media Player has been installed.
2. Select the **Media sync (MTP)** option.
3. When connected, a pop-up window will appear on the PC. Select the Windows Media Player option to synchronize music files.
4. Edit or enter your device's name in the pop-up window (if necessary).
5. Select and drag music files 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

- If the Windows Media Player version is older than 10, install version 10 or newer.

Chrome

The **Chrome** app allows you to access the Internet from your tablet. Access and selections within this feature are dependent upon your service provider. For specific information on Internet access through your tablet, contact your service provider.

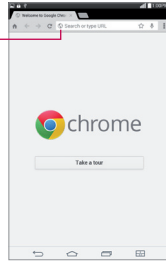
NOTES
- You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
- Chrome may differ from this user guide due to updates via Play Store.

Viewing webpages

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Chrome** or tap the **Chrome** icon directly on the Quick Access Bar.
2. Tap the URL input field to access a webpage. Enter the web address (URL) of the web page, then tap Go on the on-screen keyboard.

- As you begin entering text, suggestions appear below the address bar and can include your previous searches (search graphic), related bookmarks (star graphic), related browsing history sites (clock graphic), and related sites (globe graphic). Tap any of these to go directly to that site.
- You can change the search engine for your searches. Open Chrome application, touch and hold the **Recent Apps Key** (in the Touch Keys Bar) > **Settings** > **Search engine**. Tap the search engine you want to use.

URL Input Field (address bar)
Tap here to enter a web address for the web page you want to access.



Chrome Menu Icon
Tap here to access New tab, New incognito tab, Bookmarks, Other devices, History, Find in page, Request desktop, Settings, and Help.

NOTE This is the same as touch and hold the **Recent Apps Key** in the Touch Keys Bar.

Search within a webpage

NOTE You can also tap the Chrome **Menu options** icon (in the upper-right corner of the tab), then tap **Find in page**.

1. While viewing the page, tap the **Menu key** (in the Touch Keys Bar), then tap **Find in page**.
2. Type the text you're looking for in the find bar at the top of the screen.

   Matches are highlighted on the page (current match in orange and other found matches in yellow).

- The find bar displays the total number of matches. Tap the up and down arrows to the right of the find bar to go to each match.
- Found matches are also indicated in the scroll column along the right side of the screen. Tap any of the highlights to jump directly to that match.

Searching the web by voice

Tap the address field, tap the **Microphone** icon , say a keyword, then tap one of the search results that appear.

Syncing with other devices

When you are logged in with the same Google Account on other devices, you can sync them to be able to access your open tabs and bookmarks on your tablet.

To view tabs you opened on other devices, tap the **Menu key** (in the Touch Keys Bar) > **Other devices**. You must be signed in to the same Google Account on all of the devices. Select a webpage to open.

Adding and viewing bookmarks

To add bookmarks, while viewing the page you want to bookmark, tap the **Bookmark** icon in the URL bar.

To open a bookmarked webpage, tap the **Menu key** (in the Touch Keys Bar) > **Bookmarks** and select the desired page.

NOTE The Bookmark filepath is displayed at the top of the bookmark screen. If necessary tap **Mobile bookmarks** to view your bookmarked pages.

Browse with tabs

Your device displays webpages in a tab format (they look like file folder tabs) allowing you to easily browse several webpages simultaneously. Create multiple tabs for the sites you want, then tap the tabs (at the top of the screen) to quickly and easily switch between them.

Create a new tab

From the **Chrome** app, tap the **Menu key** (in the Touch Keys Bar), then tap **New tab** (or **New incognito tab**). OR, tap the **New tab** icon in the upper-left corner of the browser.

The New Tab page

Use the three options (located at the bottom of the screen) to help you open the page that you want quickly.

- **Most Visited** Snapshots of the webpages that you visit the most are shown here. Just tap a snapshot to visit the site using the new tab you created. Touch and hold a snapshot to open a Context menu to access Open in new tab, Open in incognito tab, and Remove.
- **Bookmarks** Icons for sites that you've bookmarked are listed here. Tap a bookmark icon to visit the site using the new tab you created. Touch and hold a bookmark to open a Context menu to access Open in new tab, Open in incognito tab, Edit bookmark, Delete bookmark, or Add to home screen.

NOTE The Bookmark filepath is displayed at the top of the bookmark screen. If necessary tap **Mobile bookmarks** to view your bookmarked pages.

- **Other devices** Chrome tabs that are opened on other devices are shown here. Tap a page icon to open the same tab on your tablet. You must be signed in to Chrome to sync your open tabs across devices.

NOTE When you edit items in the Most Visited and Bookmarks options, it can take up to 15 seconds for open tabs to refresh on other devices.

Download files

1. Touch and hold a download link.
2. In the Context menu that appears, tap **Save link**.

To view downloaded files:

From the Apps screen (or the Home screen), tap **Downloads** .

- To open a downloaded file, tap it. To complete the open download request, tap **HTML Viewer** or **Print**, then tap **Always** or **Just once**.
- To view earlier downloads, tap the heading date you want to view.
- To share downloads, tap the **Share** icon at the top of the screen, checkmark the ones to share, then tap **Share** and choose a sharing method from the list.
- To delete downloads, tap the **Delete** icon at the top of the screen, checkmark the ones to delete, tap **Delete**, then **Yes** to confirm.
- Tap **Size** or **Date**, at the top left of the screen, to switch the download file sort criteria.

Chrome Settings

To access the settings specific to the Chrome app:

1. From the **Chrome** app, tap the **Menu key** (in the Touch Keys Bar).
2. Tap **Settings**.
3. Tap the setting you want.

The Basics section includes your Google Account, Search engine, Autofill forms, and Save passwords. The Advanced section includes Privacy, Accessibility, Content settings, Bandwidth management, and About Chrome.

Contacts

You can add contacts on your tablet 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** (in the Quick Access Bar), > **Contacts** to open your contacts.
2. Tap the **Search contacts** box and enter the contact name using the on-screen keyboard. You can also tap a letter along the left side of the screen to access names starting with the chosen letter.

Adding a new contact

1. From the Home screen, tap **Apps** (in the Quick Access Bar), > **Contacts** .
2. Tap the **New** icon (in the upper-right corner of the screen) to add a new contact and select the desired account (if applicable).
3. If you want to add a picture to identify the contact, tap the **Photo** icon . Choose **Take photo** (to take a picture using the camera) or **Select from Gallery** (to browse for and select an image).
4. Enter the Contact's name. Tap the **More** icon to enter more specific name information.
5. Enter all of the details for your contact.
6. Tap **Save** to save the contact entry.

Favorite Contacts

To add a contact to your favorites

1. From the Home screen, tap **Apps** (in the Quick Access Bar), > **Contacts** to open your contacts.
2. Tap a contact to view its details.

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

To remove a contact from your favorites list

1. From the Home screen, tap **Apps** (in the Quick Access Bar), > **Contacts** to open your contacts.
2. Tap the **Favorites** tab (at the top of the screen) to view your favorite contacts.
3. Tap a contact to view its details.
4. Tap the gold star in the upper-right corner of the screen. The star turns grey and the contact is removed from your favorites.

Creating a group

1. From the Home screen, tap **Apps** (in the Quick Access Bar), > **Contacts** to open your contacts.
2. Tap the **Groups** tab (at the top of the screen), then tap the **Groups** icon .
3. Select the account where you want to create the group and enter a group name.
4. Tap **Add members** and select the contacts you want to add, then tap **Add**.
5. Tap **Save** 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.

Email

You can use the Email app to read emails from services like Yahoo!, MSN, and AOL. The Email app 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 app, a set-up wizard opens to help you to set up an email account.

After the initial setup, the contents of your inbox are displayed. If you've added more than one account, you can switch between your accounts.

To add another email account:

Open **Email**, then tap the **Menu key** (in the Touch Keys Bar) > **Settings** > **Add account** icon .

To change an email account's settings:

Open **Email**, then tap the **Menu key** (in the Touch Keys Bar) > **Settings** > **General settings** to adjust the settings that affect all accounts. Or tap an individual account to adjust settings only for that account.

To delete an email account:

Open **Email**, then tap the **Menu key** (in the Touch Keys Bar) > **Settings** > **Menu key** (in the Touch Keys Bar) > **Remove account** > tap the account you want to delete > **Remove** > **Yes**.

Working with account folders

Open **Email** tap the **Menu key** (in the Touch Keys Bar), then tap **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 app, tap the **Compose** icon .
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 **Menu key** (in the Touch Keys Bar) to Cc/Bcc a contact or tap the **Attach** icon to attach files, if necessary.
4. Enter the subject and your message.
5. Tap the **Send** icon to send the message.
   If you aren't connected to a network, for example, if you're working in airplane mode, the messages that you send will be stored in your Outbox folder until you connect to a network again. If it contains any pending messages, the Outbox will be displayed on the Accounts screen.

TIP! When a new email arrives in your Inbox, you will be notified by a sound or vibration. Tap the email notification to stop receiving notifications.

Gmail

When you open the **Gmail** app, the most recent conversations are displayed at the top of your Inbox list. All of your conversations are displayed in your Inbox unless you delete, archive, or filter them.

To open the Gmail app

From the Home screen, tap **Apps** (in the Quick Access Bar) > **Gmail**.

Your Gmail Inbox

The current Google Account is displayed at the top of the Inbox. If you have more than one account, you can switch accounts to view the messages in each Inbox. Simply tap the Accounts & labels icon at the top left corner to select another account or label to display.

Conversations with new messages are displayed with bold subject lines. To read a message in a conversation, tap its subject line text.

› indicates that you were copied on this message.
» indicates that this message was sent directly to you.

Gmail Inbox icons

Use the following icons (at the top of the screen) while viewing your Gmail Inbox:

New message Tap to begin a new Gmail message.

Search Tap to search within your Gmail messages.

Accounts and labels Tap to change to another account or label.

NOTE Drag the screen downward to refresh and check for new email.

Managing your Gmail messages

Tap the letter icon (or contact photo) next to a Gmail message, then you can tap the **Archive** icon, **Delete** icon, **Read/Unread** icon, **Move to** icon, or the **Menu** icon (Change labels, Add star, Mark important, Mute, Report spam, and Report phishing) at the top of the screen.

NOTE You can also tap the **Favorite** icon next to a Gmail message to designate it as a favorite message.

Navigating in the Gmail app

While viewing your Inbox, swipe the screen up and down to scroll through the list of messages. The following icons are available at the top right of the Gmail Inbox:

- **Compose**: Tap to start a new Gmail message.
- **Search**: Tap to search within the Gmail app.

In addition, while viewing your Inbox you can:

- Swipe a Gmail message off the screen to the left or right to quickly and easily archive the message. Tap **Undo** to restore it to your Inbox.
- Tap the letter icon (or contact photo) to the left of one or more messages, then tap the **Delete** icon to delete it/them. Tap **Undo** to restore it/them to your Inbox.

While viewing a message, swipe the screen left and right to scroll through all of your messages and use the following icons (at the top of the screen):

- **Archive**: Tap to send the message to your archive folder.
- **Delete**: Tap to delete the message.
- **Unread**: Tap to return the message to an unread state.

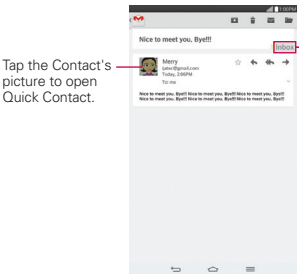
- **Move to** : Tap to move the email to another label.

If you are viewing a message or another label, tap the **Back key** (in the Touch Keys Bar) until you return to your Inbox.

Reading Your Messages

- Tap a conversation that contains the message you want to read.

  The conversation opens to the first new (unread) message, or to the first starred message, if you've previously starred a message in the conversation.



While viewing a message, tap the message action icons on the message header to access options which include to mark it as a favorite, to reply to the sender, to reply to all addresses, and to forward the message to someone else.

To reread a message

When you open a conversation, messages that you've already read are minimized into a tab that indicates the number of hidden messages.

1. From your Gmail Inbox, tap the conversation you want to view.
2. Tap the contact name to open that message.

While reading a message you can tap the **Unread** icon (at the top of the screen) to return a read message to the unread state. For example, to remind yourself to read it again later.

Composing and Sending a Message

You can compose and send a message to people or groups with Gmail addresses or other email addresses.

To compose and send a message

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Gmail** > **Compose** at the top right corner of the screen.

   NOTE If you set up more than one Google Account on your tablet and want to send the message from a different Google Account, tap the current Google Account, then tap the account you want to use.

2. Enter a recipient's address.

   As you enter text, matching addresses are offered from your Contacts list. You can tap a suggested address or continue entering text to enter a new one.

   NOTE Tap **+CC/BCC** to the right of the recipient address bar to add normal copy or blind copy recipients, if necessary.

3. Enter a subject for the message in the Subject field.
4. Enter your email text in the Compose email field.
5. Tap the **Menu key** (in the Touch Keys Bar), then tap **Attach picture** or **Attach video** if you want to add an attachment to your Gmail message.

   NOTE You can also tap to the right of the Subject field to add an attachment to your message. Tap an attachment type (**Drive**, **Gallery**, or **Photos**), then search for and attach the file to send with the message.

6. Tap the **Send** icon at the top right corner of the screen to send your message.

   NOTE If you aren't ready to send the message, tap the **Menu key** (in the Touch Keys Bar), then tap **Save draft**.

Replying to or Forwarding a Message

Continue an email conversation by replying to a message or by forwarding it without changing the Subject text. Change the Subject text to start a new conversation.

NOTE The conversation text and previous messages are also included in your reply (or forwarded) message.

To reply to or forward a message

1. Open the message you want to reply to or forward.
2. On the message header, tap the **Reply** icon , the **Reply all** icon , or the **Forward** icon .
   - Add others to an ongoing conversation by replying to all and then adding the new person's address(es) to the reply.
3. Tap the **Send** icon at the top right corner of the screen to send your Gmail message.

NOTE You can change the message action after you've started the message. Simply tap in the upper-left corner (next to the current message action), then tap the one you want. For example, if you chose Reply but decide you want to Reply all instead.

Google Account settings

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Gmail** > **Menu key** (in the Touch Keys Bar).
2. Tap **Settings**.
3. Tap **General settings** to change the settings for all accounts, including **Archive & delete actions, Swipe to archive, Sender image, Reply all, Auto-fit messages, Auto-advance, Confirm before deleting, Confirm before archiving**, and **Confirm before sending**.

NOTE Tap each individual account to change its settings, including **Inbox type, Inbox categories, Notifications, Inbox sound & vibrate, Signature, Vacation responder, Sync Gmail, Days of mail to sync, Manage labels, Download attachments**, and **Images**.

Hangouts

The **Hangouts** app lets you have real-time text conversations with your friends.

To Open the Hangouts app

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Hangouts**.

To sign out of Hangouts

- From your chatting list, tap **Menu** (in the Touch Keys Bar) > **Settings** > tap your account > **Sign out**.

Chatting with Friends

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Hangouts**.
2. Tap the **New** icon + to view your contacts list. It includes all of the Google Accounts you've added.
3. Tap the Message field at the bottom of the screen then enter your message.
4. Tap the **Send** icon .

Hangouts chatting list

Touch and hold a friend's name in the chat screen. Use the following icons at the top of the screen:

	Tap to turn notifications off for this friend.
	Tap to archive the conversation.
	Tap to delete the conversation.

Blocking your Friends

- To block a friend from exchanging messages with you, tap the friend in the chatting list. Tap the **Menu key** (in the Touch Keys Bar) > **People & options**. Tap the block option, then tap the **Block** button to confirm.
- To remove a friend from the blocked list, tap the **Menu key** (in the Touch Keys Bar) from the chatting list. Tap **Settings** > tap your account > **Blocked people** > **Unblock** next to the person's name.

NOTE Once you block a friend, all of your chats with that friend are deleted from the chatting list.

Hangouts Settings

- From the chatting list, tap the **Menu key** (in the Touch Keys Bar) to choose from **Set mood, Invites**, **Snooze notifications**, **Archived Hangouts**, **Settings**, **Send feedback**, and **Help**.
- While chatting, tap the **Menu key** (in the Touch Keys Bar) to choose from **People & options**, **New group Hangout**, **Turn history off**, **Archive**, **Delete**, **Send feedback**, and **Help**.

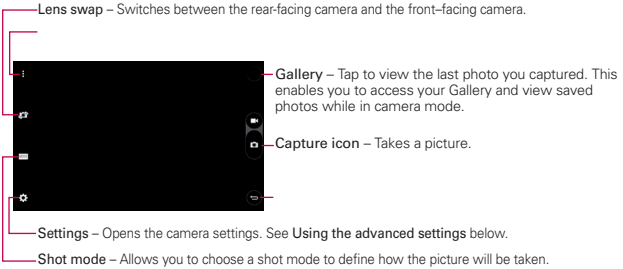
Camera

The Camera app not only allows you to take high quality pictures and share them, but also includes many specialized features eliminating the need for any other camera.

To open the Camera app, from the Home screen tap **Apps** (in the Quick Access Bar) > **Camera**.

TIP! If you've set your tablet to use the Swipe unlock method, from the locked screen, simply drag the **Camera** upward to automatically open the Camera app.

Getting to know the viewfinder



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

Using the advanced settings

Tap the **Settings** icon in the viewfinder to open the advanced settings. After changing the setting(s) as you want, tap the **Back key** (in the Touch Keys Bar).

	Sets the photo resolution. If you choose a high resolution, the file size will increase, which means you will be able to store fewer photos in your tablet's memory.
	Allows you to take pictures by voice command.
	Sets a delay after the Capture icon is tapped. This is ideal if you want to be in the photo.

TIP!
- When you exit the Camera app, some settings return to their defaults, such as white balance, color effect, and timer. Check these before you take your next photo.
- The Settings menu is superimposed over the viewfinder, so when you change photo color or quality elements, you will see a preview of the changed image behind the Settings menu.

Taking a photo

1. Open the **Camera** app.
2. Hold the tablet horizontally and point the lens toward the subject you want to photograph.
3. A focus box will appear in the center of the viewfinder screen. You can also tap anywhere on the screen to focus on that spot.
4. When the focus box turns green, the camera has focused on your subject.
5. Tap the **Capture** icon to take the photo.

Using the Time catch shot mode

Sets the camera to capture missing moments by taking five sequential pictures before the Capture icon is tapped.

1. Open the **Camera** app.
2. Tap the **Shot Mode** icon MODE > **Time catch shot**.
3. Tap the **Capture** icon to take a picture.
4. To view the moments just before the picture was taken, tap the image thumbnail at the bottom of the Camera screen.
5. Select the pictures that you want to keep, then tap the **Save** icon Save at the top of the screen.

Once you've taken a photo

Tap the image preview at the bottom of the screen to view the last photo you took.

NOTE Complete the action by selecting the app to use to view the captured image(s). Tap either **Gallery** or **Photos**, then tap **Always** or **Just once**.

TIP! If you have a social networking account and set it up on your tablet, you can share your photo with your social networking community.

While viewing a photo, tap the screen to illuminate the Touch Keys Bar, then tap the **Menu key** ⋮ to access the following options.

SmartShare –

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

Move – Tap to move the photo to another album.

Copy – Tap to copy the photo and save it to another album.

Copy to Clip Tray – Tap to copy the photo and store in the Clip Tray.

Slideshow – Tap to automatically display a slideshow of all your pictures.

Rotate left - Tap to rotate the picture to the left.

Rotate right - Tap to rotate the picture to the right.

Crop – Tap to crop your photo. Drag the crop box to enclose the photo area you want to keep.

Add location – Tap to add the location information.

Viewing your saved photos

You can access your saved photos when in camera mode. Just tap the image preview at the bottom of the screen. Select the app to use to view your photos. Tap either **Gallery** or **Photos**, then tap **Always** or **Just once**.

- To view more photos, scroll left or right.

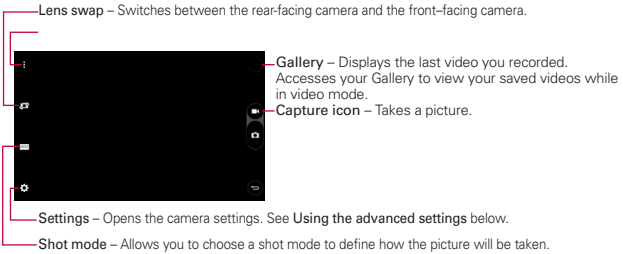
- To zoom in or out, double-tap the screen or place two fingers on the screen and spread them apart (move your fingers closer together to zoom out).

Video Camera

The **Camera** app allows you to change to video camera mode to record videos.

To open the Video Camera, from the Home screen tap **Apps** (in the Quick Access Bar) > **Camera**. Then slide the **Mode switch** to toggle from Camera to Video camera mode.

Getting to know the viewfinder



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

NOTE Make sure that the microphone is not blocked when recording a video or audio clip.

Using the advanced settings

Using the viewfinder, tap the **Settings** icon to open all of the advanced options.

	Sets the photo resolution. If you choose a high resolution, the file size will increase, which means you will be able to store fewer photos in your tablet's memory.
	Allows you to take pictures by voice command.

	Sets a delay after the Capture icon is tapped. This is ideal if you want to be in the photo.

Recording a video

1. Open the **Camera** app and slide the **Video mode** icon downward.
2. The video camera viewfinder appears on the screen.
3. Hold the tablet horizontally and point the lens toward the subject you want to capture in your video.
4. Tap the **Record** icon once to start recording.
5. A timer showing the length of the video will appear.
6. Tap the **Stop** icon to stop recording.

After recording a video

Tap the video preview at the bottom of the screen to view the last video you recorded. Tap the screen to display the following icons (at the top of the screen).

	Tap to record another video immediately.
	Tap to send your video to others or share it via social network services.
	Tap to delete the video.

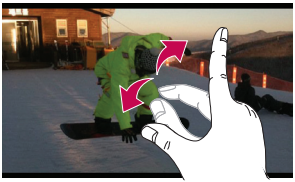
Watching your saved videos

1. In the viewfinder, tap the image preview at the bottom of the screen.
2. Your Gallery will appear at the bottom of the screen.
3. Tap the video you want, then tap the **Play** icon to play it automatically.

Live Zooming

Live Zooming allows you to zoom in or zoom out on a portion of a video that is being played to make the desired section appear larger or smaller.

When viewing a video, use your index finger and thumb in a pinching or spreading motion to zoom in or out.



NOTES
- While a video is playing, slide your finger vertically along the left side of the screen to adjust the screen brightness.
- While a video is playing, slide your finger vertically along the right side of the screen to adjust the video volume.
- While a video is playing, slide your finger horizontally across the screen to rewind or fast-forward.
- Do not press too hard; the touchscreen is sensitive enough to pick up a light, but firm touch.

Adjusting the volume while viewing a video

Use the Volume keys on the right side of the to adjust the volume of a video while it's playing.

Gallery

You can store multimedia files in your tablet's internal memory for easy access to all your multimedia files. Use this app to view multimedia files like pictures and videos.

From the Home screen, tap **Apps** (in the Quick Access Bar) > **Gallery** . You can also access the **Gallery** directly from the home screen.
You can manage and share all of your image and video files with the Gallery app.

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

Viewing pictures

Launching the Gallery app displays all of your available folders. When another app, such as Email, saves a picture, the download folder is automatically created to contain the picture. Likewise, capturing a screenshot automatically creates the Screenshots folder. Tap a folder to open it.

Pictures are displayed in order by creation date. Tap a picture to view it in full-screen. Scroll left or right to view the next or previous image.

Zooming in and out

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

- Double-tap anywhere on the screen to zoom in. Double-tap again to return to full-screen view.
- Place two finger on the screen and spread them apart to zoom in. Pinch in to zoom back out.

Playing videos

The **Play** icon is displayed on all video files. Select a video from the Gallery app. Select how you want to view it (**Photos** or **Videos**), then tap **Always** or **Just once**. Tap the **Play** icon to play it.

Viewing photo and video options

When viewing a photo or video, tap the **Menu key** (in the Touch Keys Bar) to access and use the advanced editing options.

Deleting images and videos

- While viewing your Gallery folders, tap (in the upper-right corner of the screen) and select the photos and videos you want to delete, then tap **Delete** (at the bottom of the screen), then tap **Yes** to confirm.
- While viewing a photo or video, tap the **Delete** icon (in the upper-right corner of the screen), then tap **Yes** to confirm.

Setting as wallpaper

When viewing a photo, tap the **Menu key** (in the Touch Keys Bar) > **Set image as** and select **Home screen wallpaper**, **Lock screen wallpaper** or **Wallpaper.**

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

Videos

Your tablet has a video player that lets you play all of your favorite videos. To access the video player, from the Home screen tap **Apps** (in the Quick Access Bar) > **Videos** .

Using the Videos app

- Tap the **View type** icon to access a drop-down list to set how to display your video files. Choose from **List**, **Grid**, and **Folder**.
- Tap the **Sort by** icon to access a drop-down list to set how to sort your video files. Choose from **Title**, **Date**, **Size**, and **Type**.
- Tap the **Share** icon to select video file(s) to share.

Playing a video

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Videos** .
2. Select the video you want to play.

	Tap to pause video playback.
	Tap to resume video playback.
	Tap to fast-forward 10 seconds. Touch and hold to fast-forward 3 seconds.
	Tap to rewind 10 seconds. Touch and hold to rewind 3 seconds.
	Tap to manage the video volume.
	Tap to lock the video.

	Tap to access QSlide and display the video in a small window.
	Tap to share your video via the SmartShare function.

To change the volume while watching a video, press the Volume keys on the right side of the tablet.

Touch and hold a video in the list to access the following options: **Share**, **Delete**, **Trim,** and **Details**.

Music

Your tablet has a music player that lets you play all of your favorite tracks. To access the music player, from the Home screen, tap **Apps** (in the Quick Access Bar) > **Music** .

Add music files to your tablet

Start by transferring music files to your tablet:

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

Transfer music using Media sync (MTP)

1. Connect the tablet to your PC using the USB Cable.
2. Select the **Media sync (MTP)** option. Your tablet 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.
3. When you're finished transferring files, swipe the Status Bar downward and tap **USB connected** > **Charge tablet**. You may now safely unplug your tablet.

Playing a song

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Music** .
2. Tap the **Songs** tab (Music tabs are displayed along the right side of the screen).
3. Tap the song you want to play.

TIP! To find a song, you can tap the **Search** icon at the top of the screen or tap the letter the song begins with using the alphabet listed along the right side of the screen.

Music player icons

	Tap to find the song on YouTube.
	Tap to share your music via the SmartShare function.
	Tap to set shuffle mode.
	Tap to set repeat mode.
	Tap to manage the music volume. You can also use the **Volume keys** on the right sid e of the tablet to adjust the volume.
	Tap to pause playback.
	Tap to resume playback.
	Tap to skip to the next track on the album or in the playlist. Touch and hold to fast-forward 3 seconds.
	Tap to go back to the beginning of the song. Tap 2 times to return to the previous song. Touch and hold to rewind 3 seconds.
	Tap to set the current song as a favorite.
	Tap to see the current playlist.
	Tap to set the audio effect.

Other music player options

- Touch and hold any song in the list to access **Play**, **Add to playlist**, **Share**, **Delete**, **Details,** and **Search**.
- Tap the **Menu key** (in the Touch Keys Bar) to access **Search**, **Add to playlist**, **Delete**, **Share**, **Music video**, **Details**, **Settings**, and **Help**.

Turning the music player off

To stop the music player, swipe the Status Bar downward, then flick the music entry to the right (or left) off the screen.

NOTEs
- 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.

Play Store

Play Store allows you to browse and search for free and paid applications.

To open the Play Store app

- From the Home screen, tap **Apps** > **Play Store** or tap the **Play Store** icon on the Home screen.

To get help with Play Store

Play Store Help web pages are available from all Play Store screens.

- Tap the **Menu key** (in the Touch Keys Bar), then tap **Help**.

  The **Chrome** app opens to the Play Store Help page, with links to many help topics.

To open a screen with details about an app

- At any time while browsing in Play Store, tap an app to open its details screen.

The App details screens include a description, ratings, comments, and related information about the app. From this screen, you can download, install, uninstall, rate the app, and more.

Downloading and Installing Apps

When you find an app you want, you can install it on your tablet.

To download and install an app

NOTE Before you can download a paid app, you must set up a billing arrangement.

Price/Install button
Indicates the cost or install for free apps.

1. From the Home screen, tap **Play Store** .
2. Tap a category from the homepage or tap the **Search** icon (in the top right corner of the screen) to search for an app.
3. Tap **INSTALL** or the **Price** button to download the selected app.
4. If you agree with the app's access requirements, tap **ACCEPT**.
5. The app will be downloaded and installed.

Play Store Options

On the Play Store homepage, drag the left edge of the screen to the right to access **Store home, My apps, Shop apps, My wishlist**, and **Redeem**.

Play Store menu options

Tap the **Menu key** (in the Touch Keys Bar) to access **Settings** and **Help**.

Your Wishlist

While viewing an app (or music, games, etc.), tap the Wishlist icon at the top of the screen to add it to your wishlist for future reference.

YouTube™

Opening YouTube and Watching Videos

You can browse, search for, view, upload, and rank YouTube videos on your tablet with the **YouTube** app.

To open the YouTube app

From the Home screen, tap **Apps** (in the Quick Access Bar) > **YouTube** .

Tap a video to watch it or tap the **Menu key** (in the Touch Keys Bar) for other YouTube options (**Settings**, **Feedback**, **Help**, and **Sign in/out**).

To search for videos

1. At the top of the main YouTube screen, tap the **Search** icon .
2. Enter the text to search for or tap the **Microphone** icon to search by voice.
3. Tap a suggestion below the search box or tap on the keyboard.
4. Scroll through the search results and tap a video to watch it.

QPair

Stay connected with QPair when using your tablet, even when your smartphone is in another room. Get instant notifications when your smartphone receives an incoming call, messages, and social networking notifications.

1. From the Home screen, tap **Apps** > **QPair** > **Get Started** > **OK** > **Start** on your tablet first then run the same steps on your smartphone.
2. Bluetooth connection will be turned on automatically.

TIP! QPair may not be pre-installed on your smartphone. To download, go to the Play Store app, then search for QPair and install it.

NOTE QPair works with smartphones running Android 4.1 or later. Some features may be limited depending on your smartphone model.

QPair features

Call notification – Sends the tablet a notification when the smartphone receives a call. The notification displays the caller's number and allows you to decline the call.

Message notification – Sends the tablet a notification when the smartphone receives a message.

SNS notification – Displays a social networking notification on your tablet's Status Bar when it arrives on your smartphone.

NOTE To enable this feature, turn on the **QPair social network notifications** option in your phone (**Settings** > **Accessibility** > **QPair social network notifications**). This option allows you to be notified of social networking notifications on your tablet.

QuickMemo transfer – Saves your current QuickMemo in the tablet's Gallery, and then syncs the tablet's Gallery with the Gallery on your smartphone.

Recent app sticker – When the tablet screen is unlocked, a sticker will display the last app used on the phone. Tap the sticker to run the app. Make sure that the app is installed on the smartphone and tablet.

QSlide

The QSlide function enables an overlay window on your tablet's display for easy multi-tasking. The overlay window can be moved, resized, or made transparent. QSlide windows can be opened from the QSlide apps bar on the Notifications Panel, or directly from the apps that support the QSlide function.

To open a QSlide window

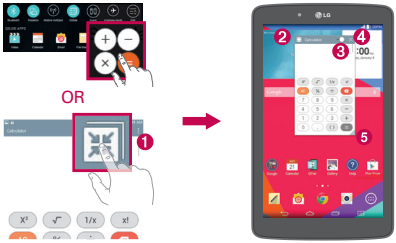
1. Drag the Notification Panel at the top of your screen downward, then tap the desired app from the **QSlide apps** section.

   OR

   While using an app that supports QSlide, tap the **QSlide** icon .

Using QSlide

The QSlide function opens the associated app in a window in the foreground, allowing you to access other applications in the background. It is displayed continuously on the screen until you close it.



1		Tap to run QSlide.
2		Tap to return to full window view.
3		Slide to adjust the transparency.
4		Tap to exit the QSlide function.
5		Drag to adjust the size.

NOTE The QSlide Function can support up to two windows at the same time. QSlide only supports the following apps: Videos, Richnote, Calendar, Calculator, Email, File Manager, and Voice Mate.

Customizing the QSlide bar icons

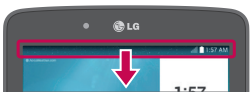
You can set the order of the icons displayed in the QSlide bar, as well as which icons are displayed.

1. Open the Notifications Panel and swipe to the left to the end of the QSlide apps bar, then tap the **Edit** icon .
   - Drag one of the icon handles at the right side of the screen to move its icon to another position in the QSlide icon bar.
   - Checkmark the icons you want to display and remove the checkmark for the ones you want to remove.
2. Tap the **Back key** (in the Touch Keys Bar) to return to the Notifications Panel.

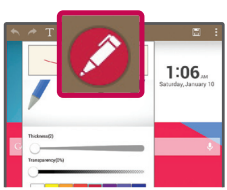
QuickMemo

Use the QuickMemo feature to capture a screen shot and use it to write a memo.

To access the QuickMemo feature



1. While viewing the screen you want to capture, drag the Notification Panel at the top of your screen downward, then tap .



2. Select the desired tool from the Edit menu (**Pen type**, **Color**, and **Eraser**). Then create a memo.

3. Tap (at the top of the screen) to display the Edit menu. Tap to save the memo. To exit QuickMemo at any time, tap the **Back key** . (in the Touch Key Bar).

NOTE Please use a fingertip to draw or erase pen marks. Do not use your fingernail or any other rigid object.

Using QuickMemo options

The following options are available when using QuickMemo.

	Tap to keep the memo on top and continue using other tablet features. **NOTE** Tap the disable icon in the bottom left corner of the screen to enable or disable the Touch Keys while using the QuickMemo feature.
	Touch to select the type of background image you want to use.
	Tap to undo the previous action.
	Tap to redo the previously deleted action.
	Tap to select pen type and pen color.
	Tap to use the eraser to erase any part of the memo that you created.
	Saves the memo in the **Notebook** or **Gallery**.

NOTE Use your fingertip instead of your fingernail to draw or erase pen marks.

Viewing saved QuickMemos

From the Home screen, tap **Apps** (in the Quick Access Bar) > **Gallery** or **Notebook**, then select the **QuickMemo** album.

QuickRemote

QuickRemote turns your tablet into a Universal Remote for your home TV or cable box.

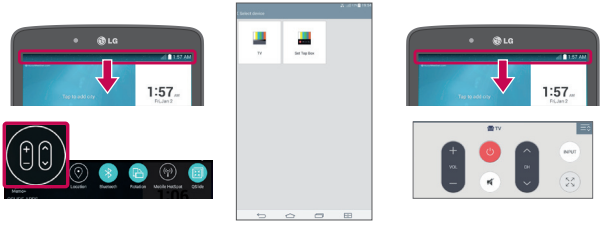
NOTE QuickRemote may not be available for some devices and areas.

Set up QuickRemote

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **QuickRemote**.

NOTE You can also perform the initial set up of your QuickRemote from the Notifications Panel. Swipe the Status Bar downward, tap the **QuickRemote** icon (in the Quick Settings Bar), then tap **ADD REMOTE**. After initial set up, to set up additional devices from the Notifications Panel, tap , then tap in the top right corner of the QuickRemote screen.

2. Tap Living room (at the top left corner of the screen) to select a room type, then tap to add the device.



3. Select the type and brand of device, then follow the on-screen instructions to configure the device(s).

NOTE The QuickRemote operates the same way as an ordinary infrared (IR) remote control in your region or country. Be careful not to cover the infrared sensor at the top of the tablet when you use the QuickRemote function. This function may not be supported depending on the model, the manufacturer, or service company.

Using QuickRemote

1. Open the **QuickRemote** app and choose the room where you configured the remote.
2. Select the remote you want to use by tapping its type/name on the QuickRemote bar along the left side of the screen.
3. Tap the buttons on the displayed remote.

NOTE When adding the TV remote control, QuickRemote could use the INPUT button to configure the appropriate remote control. When configuring the INPUT button, the TV input source could be changed. To reset the TV input source, tap the INPUT button on QuickRemote several times (depending on the number of devices connected to the TV).

QuickRemote options

To access the QuickRemote Options menu, tap the **Menu key** (in the Touch Keys Bar) to select options including **Magic Remote setting**, **Edit remote name**, **Move remote**, **Delete remote**, **Edit room**, **Settings** and **Help**.

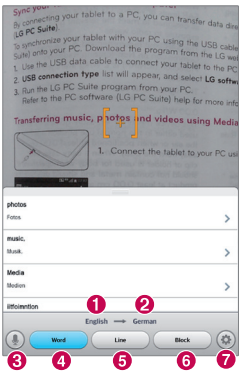
NOTE While playing music in the background, pressing any QuickRemote button will mute the sound for a second.

QuickTranslator

The QuickTranslator app allows you to get language translations, anytime and anywhere. Simply aim your device's camera at the foreign sentence you want to understand and it will provide you with a translation. You can also request verbal translations.

You can buy additional dictionaries for offline translation from the Google Play Store.

NOTE Only one dictionary is provided free of charge. Additional dictionaries must be purchased. Please select the dictionary you would like to install as your complimentary dictionary.



1. Home language
2. Destination language
3. Switches to Voice mode. Tap the language button, then speak.
4. Translation of a written word.
5. Translation of a written sentence.
6. Translation of a paragraph.
7. Accesses the QuickTranslator settings. You can set the home and destination languages here.

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **QuickTranslator**.

2. Tap the translation format. Choose from , **Word**, **Line,** or **Block**.
   - Tap the **Settings** icon and set the home (from) and destination (to) languages.
   - Hold the tablet toward the subject you want to translate for a few seconds.

NOTE There may be a difference in the rate of recognition depending on the size, font, color, brightness, and angle of the letters that need to be translated.

Voice Mate

The Voice Mate app allows you to have hands-free interaction with your devices. You can ask Voice Mate to perform tablet functions using your voice, such as setting alarms or searching the web. When you access Voice Mate for the first time, it displays help information to assist you in learning how to use this function.

To open the Voice Mate app

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Voice Mate** .

Using the Voice Mate app

1. Open the **Voice Mate** app.
2. Tap the **Speak** icon to turn it on. Say what you want it to do for you.
   - If you say "Wake me up at 6 AM", Voice Mate will set the alarm for that time.

NOTE Use Voice Mate in a quiet environment so it can accurately recognize your commands.

Voice Mate Icons

The following Voice Mate icons are displayed at the bottom of the screen:

- Tap to display the Voice Mate QSlide window on the Home screen.
- Tap to say a voice command to execute.
- Tap to type a command to execute.

Voice Mate Options menu

Tap the **Menu key** (in the Touch Keys Bar) to access **Settings** and **Help**.

NOTEs
- When the language setting for Voice Mate is not the same as the default language setting on your tablet, some commands, such as launching apps, may not work.
- When entering text, you can only use letters or numbers.
- Voice Mate recognizes your speech better when you speak slowly.
- You can view examples of various commands by swiping the Voice Mate main screen to the left.
- Voice Mate only supports English & Korean languages.

Clock

You use the Clock app to access the Alarms, Timer, World clock, and Stopwatch functions. Access these functions by tapping the tabs across the top of the screen, or swiping horizontally across the screen.

Setting an alarm

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Clock** > **Add** .
2. Set the desired alarm time.
3. Set **Repeat**, **Snooze duration**, **Vibration**, **Alarm sound**, **Alarm volume**, **Auto app starter**, **Puzzle lock,** and **Memo**.
4. Tap **Save**.

NOTE To access (and change) the alarm settings from the alarm list screen, tap the **Menu key** (in the Touch Keys Bar), then tap **Settings**.

Activating your alarm(s)

1. Open the Clock app and tap the **Alarms** tab (if necessary).
2. Tap the grey **Alarm clock** icon to the right side of the alarm you want to activate. The icon turns blue when it's set.

Setting the World Clock

The **World clock** tab allows you to set up a list of cities to easily check current times in other time zones with a quick glance.

1. Open the **Clock** app, then select the **World clock** tab.
2. Tap the **New City** icon (at the bottom of the screen), search through the available cities, then tap the one you want.

Calculator

Using your calculator

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Calculator**.
2. Tap the number keys to enter numbers.
3. For simple calculations, tap the function you want to perform (+ , − , × or ÷) followed by = .

NOTEs
- For more complex calculations, you can switch to the Scientific calculator. Tap the **Menu key**, (in the Touch Keys Bar), then tap **Scientific Calculator**.
- To view the calculation history, tap the **Menu key** (in the Touch Keys Bar), then tap **Calculation history**.

Calendar

Viewing Your Calendar and Events

The **Calendar** app allows you to track your schedule of events (that you created or that you've been invited to), organized by day, week, month, year, or agenda.

When you first set up your tablet, you configured it to use an existing Google Account or you created a new account. The first time you open the Calendar app on your tablet, it displays any existing calendar events from your Google Account on the web.

Adding an event to your calendar

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Calendar** FRI 9. You can also access the **Calendar** directly from the home screen.
2. Tap the drop-down menu at the top left corner to change the calendar view (Day, Week, Month, Year, or Agenda).
3. Tap the date you want to add an event to and tap the **New event** icon .
4. Tap the **Event name** field and enter the event name.
5. Tap the **Location** field and enter the location. Check the date and enter the time you wish your event to start and finish.
6. If you want to add a note to your event, tap the **Description** field and enter the details.
7. Enter additional options such as the **All day** checkbox, **Repeat event**, **Repeat expiration**, **Reminders**, **Show me as**, and **Privacy**, as necessary.
8. Tap **Save** to save the event in the calendar.

TIP! To quickly save an event, simply touch and hold the date on the calendar. Select **Tablet** or your Google account and enter the event name. Tap **Details** to add additional details, or just tap **Save**. The event is added to your selected calendar.

QSlide for the Calendar app

You can view your month calendar in a QSlide window allowing you to easily check dates, obligations, etc. while using other apps at the same time.

1. Open the **Calendar** app.
2. Tap the **QSlide** icon at the top of the screen to display the month Calendar in a QSlide window.
   - Swipe up and down to scroll through the months.
   - Tap a date to view the events for that day in your Day calendar.
   - Drag the bottom right corner of the window to resize it.
   - Drag the title bar to move the window within the screen.

- To move the window to the background, move the transparency slider to the left (move it back to the right to bring it back to the front).
- To return to the Calendar app, tap the QSlide icon in the top left corner of the QSlide title bar.
- To close the QSlide window, tap the **Close icon** in the top right corner of the title bar.

File Manager

The File Manager app allows you to manage files in your internal/external storage.

To open the File Manager app

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **File Manager** .

Using File Manager

1. Open the **File Manager** app.
2. Tap a file type. Choose from **All files**, **Music**, **Image**, **Video**, and **Document**.
3. Tap where the files are stored. Choose **Internal storage** or **SD card**.
4. File Manager option icons are displayed at the top of the screen.

- : Allows you to run QSlide.
- : Allows you to search for files.
- : Allows you to create a new folder.
- : Allows you to move files and folders to another folder location.
- : Allows you to copy multiple files.
- : Allows you to delete files and folders.

Tap the **Menu key** (in the Touch Keys Bar) to to access the following options.

- **Sort by:** Allows you to sort files and folders by **Name**, **Size**, **Date**, and **Type**.
- **View by:** Allows you to change the view mode to **List** or **Grid**.
- **Share:** Allows you to select files and folders to share with others.
- **Zip:** Allows you to select files and folders to compress into a .zip file.
- **Show/Hide hidden files:** Allows you to show hidden files or hide them.
- **Exit:** Exits the app.

Maps

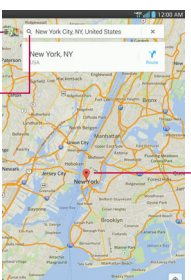
The **Maps** app allows you to find places and get directions.

To open the Maps app

- From the Home screen, tap **Apps** (in the Quick Access Bar) > **Maps** .

Maps Options
Tap here to access map views and options.

Search Box
Tap here to open the keyboard to enter your search.



Location Icon
Location icons are displayed when you search for places near your location or where you plan to visit.

Maps options

Maps options include changing the map view to Traffic, Public transit, Bicycling, or Satellite. It also accesses Google Earch, Settings, Help, Send feedback, and Tips and Tricks.

Weather

The **Weather** app provides weather forecasts and other city information. Place a Weather widget on your Home screen for a summary of your local weather and access the Weather app for more detailed information.

NOTE The Weather widget on your Home screen allows you to quickly view information for each city in your City list. Flick up or down within the widget to cycle through each city in your list.

To open and view the Weather app

From the Home screen, tap **Apps** (in the Quick Access Bar) > **Weather** .

- Swipe right or left to scroll through the weather information for each of the cities in your list.
- Tap the **Refresh** icon at the bottom of the screen to update the current weather.
- Tap the **City list** icon at the top of the screen to view your City list.
- Tap the **Menu key** (in the Touch Keys Bar) to access the Weather app settings including, **Edit city list**, **Update data**, **Update interval**, **Temperature unit**, and **Wind speed unit**.

To add a city or update your current location

Open the **Weather** app, then tap the **Add** icon in the upper right corner of the screen.

- Enter a location in the Search city box, the tap the city you want to add.
- Tap **Current location** to update your current location.

Voice Recorder

Recording a sound or voice

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Voice Recorder** .

2. Tap the **Record** button to begin recording.
3. Tap the **Stop** button to end the recording.
4. Tap the **Play** icon to listen to the recording.

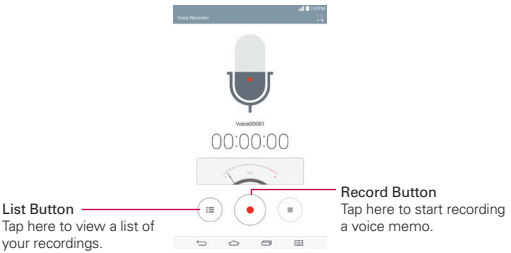
Recordings List

Tap the **List** button to access your list of recordings. Tap a saved recording to listen to it. The available recording time may differ from the actual recording time.

NOTE Touch and hold a recording entry to rename it for easy identification.

Sending the voice recording

1. Once you've finished recording, you can send the audio clip by tapping the **Share** icon at the top of the screen.
2. Choose from any of the available methods for sharing.



Voice Record Screen

Application Manager

You can manage your apps using Application manager. You can easily check the number of apps that are currently running and shut down certain apps.

Accessing Application manager

1. From the Home screen, tap the **Menu key** (in the Touch Key Bar) > **Settings** > **Application manager**.

2. Slide the right side of the screen to view the tabs: **Downloaded**, **Running**, or **All apps**.
3. Tap an app to view its details and information.

- Touch the **Stop** button to stop the selected app.
- Tap the **Force stop** button to shut down a downloaded app.
- Tap the **Menu key** (in the Touch Keys Bar) to access **Sort by size**, **Reset app preferences**, **Reset default apps**, and **Idle apps**.

POLARIS Office 5

POLARIS Office 5 is a professional mobile office solution that lets users conveniently view various types of office documents, including Word, Excel, and PowerPoint files, anywhere or anytime, using their mobile devices.

To create a new document

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **POLARIS Office 5** .
2. Register your email address on the Registration page.

NOTE You can tap **Skip** to ignore the registration information.

3. Tap the **New icon** (in the top right corner of the screen) to start a new document.
4. Tap a document type from the drop-down list, then tap the template you want to use.
5. Modify the document using the tools at the top of the screen and the on-screen keyboard.
6. When you're done working on the document, tap the **File** icon (in the top left corner of the screen), then tap **Save** (or **Save as** to enter a new document name) to save.
7. Enter the document name, then tap **Save**.

To view and edit a document on your device

You can easily view and edit a wide variety of file types, including Microsoft Office documents and Adobe PDF, right on your tablet.

1. Open **POLARIS Office 5** and search for the document you want.
2. Tap the document that you want to view or edit.

NOTE When viewing documents using POLARIS Office 5, the objects and layout remain the same as in the originally created document.

3. The document opens in view mode. To edit the document, tap the screen to display the Touch Keys Bar, then tap the **Menu key** to display the document tools across the top of the screen. Tap the **Edit** icon .

Google+

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

From the Home screen, tap **Apps** (in the Quick Access Bar) > **Google+** .

NOTE This app may not be available depending on the region or your service provider.

Voice Search

Use this app to search web pages using voice.

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Voice Search** .
2. Say a keyword or phrase when **Speak now** appears on the screen. Tap one of the search results that appear.

NOTE This app may not be available depending on the region or your service provider.

Settings

The **Settings** application contains most of the tools for customizing and configuring your tablet. All of the settings in the Settings application are described in this section.

Access the Settings menu

1. From the Home screen, tap **Apps** (in the Quick Access Bar) > **Settings**.

   OR

   From the Home screen, touch and hold the **Recent Apps Key** (in the Touch Keys Bar) > **Settings**.

2. Tap a setting menu on the left side of the touchscreen, then tap the option you want on the right.

Settings are displayed in a split-screen format allowing quick and easy navigation. The left side is a vertically scrolling list of the Settings categories and their menus. Corresponding selections within each menu/sub-menu are displayed on the right with the current selection listed at the top.

WIRELESS NETWORKS

The Wireless and Networks category allows you to configure and manage your device's wireless radio communications.

Airplane mode

Tap the **Airplane mode** switch to toggle it on and off. On disables all wireless communications and connections.

Wi-Fi

Tap the **Wi-Fi** switch to toggle it on and off.:

Show Wi-Fi pop-up - Checkmark to be notified when a Wi-Fi network is in range when you launch an app.

WI-FI NETWORKS

The list of all of the Wi-Fi networks that are within access range. Tap a Wi-Fi network on the list to access it.

Tap the **Search** button (at the bottom of the screen) to scan for available Wi-Fi networks.

Tap the **Wi-Fi Direct** button (at the bottom of the screen) to connect with other Wi-Fi devices without any access point. Select from the list of available devices or groups. You can also rename your tablet for easier identification.

Tap the **Menu key** (in the Touch Keys Bar) in the Wi-Fi menu to access the following options.

WPS Push Button: Allows you to connect to a secured Wi-Fi network with a WPS button.

WPS Pin Entry: Allows you to connect to a secured Wi-Fi network with a WPS PIN.

Add network: Allows you to manually add a Wi-Fi network by entering its SSID and password. This is helpful if the Wi-Fi network you want is currently out of access range.

Advanced Wi-Fi: Accesses the following advanced Wi-Fi settings.

Internet unavailable: Checkmark to automatically disconnect Wi-Fi when the Internet is unavailable.

Manage networks: Opens a screen to specify the order in which the available networks will be detected.

Keep Wi-Fi on during sleep: Sets the Wi-Fi status during sleep. Choose from **Always**, **Only when plugged in**, and **Keep Wi-Fi off (due to data usage)**.

Wi-Fi signal weak: Checkmark to automatically disconnect Wi-Fi when the Wi-Fi signal is weak.

Battery saving for Wi-Fi: Checkmark to minimize battery usage when Wi-Fi is on.

MAC address: Displays the MAC address.

IP address: Displays the IP address.

Bluetooth

Tap the **Bluetooth** switch OFF ON to toggle it on and off. Turn it on and to access the following settings:

My LG Tablet: Checkmark to make your tablet visible (for a specified time) to other Bluetooth devices for pairing and connection.

AVAILABLE DEVICES

The list of all of the available in-range Bluetooth devices.

Tap the **Menu key** (in the Touch Keys Bar) in the Bluetooth menu to access the following options.

Edit tablet name: Allows you to change your tablet name for easy identification when pairing and connecting. Enter your new tablet name, then tap **Save**.

Visibility timeout: Sets the amount of time other Bluetooth devices can see your tablet for pairing and connection.

Show received files: Displays a list of your Bluetooth received files.

Help: Displays information about Bluetooth features.

NOTE Tap the **Search for devices** button (at the bottom of the screen) to search for in-range Bluetooth devices.

Mobile data

Tap the **Mobile data** switch OFF ON to toggle it on and off.

Limit mobile data usage: Checkmark to limit your mobile data. Your mobile data connection will be disabled when you reach the limit you set. Set your data usage limit by dragging the red line on the graph provided.

Alert me about data usage: Checkmark to allow your tablet to alert you when your mobile data usage reaches the warning amount you set with the yellow line provided on the graph.

Data usage cycle: Displays your current usage cycle. Tap it to change the cycle date.

Data usage graph: Displays your data usage as measured by your tablet.

Data usage applications: Applications are listed with their data usage on a bar graph. Tap one to see more detailed information.

To access addional options, tap the **Menu key** (in the Touch Keys Bar).

Restrict background data: Checkmark to disable sync in the background while using a mobile network.

Auto-sync data: Checkmark to set the tablet to sync contact, calendar, email, bookmark, and social network image data automatically.

Show Wi-Fi usage: Checkmark to view your data usage from both Wi-Fi and Mobile data.

Mobile hotspots: Opens a list to select and use another device's mobile network as a mobile hotspot for your mobile data. Turn on Wi-Fi and search for mobile hotspots, if necessary.

Help: Displays information on mobile data.

Share & connect

Allows you to share your tablet's data with other devices via a wireless connection.

SmartShare Beam – Tap the **SmartShare Beam** switch to toggle it on to allow you to receive multimedia content via SmartShare Beam from LG smartphones or tablets.

Miracast – Tap the **Miracast** switch to toggle it on to allow you to wirelessly mirror your tablet screen and sound onto a Miracast dongle or TV.

Wireless storage – Tap the **Wireless storage** switch to toggle it on to allow you to manage files between your tablet and computer without a USB connection. Make sure that the tablet and computer are connected to the same network.
Then, enter the web addresses shown on your tablet into the address bar of the browser on your computer.

To access sharing using the DLNA feature, tap the (in the Touch Keys Bar), then tap **Use DLNA feature**.

Tap **Library** and **Player** (at the top of the screen) to set them up.

More...

Allows you to manage other network and wireless settings.

TETHERING

Tethering allows you to connect other devices to share your tablet's internet connection. Choose from the following connection methods:

Mobile Broadband Connect: Tap the **Mobile Broadband Connect** switch OFF ON to toggle it on and off. On allows you to share the phone's mobile data connection using a USB connection. This setting is greyed out if not connected via USB.

Mobile Hotspot: Tap its switch OFF ON to toggle it on and off. On allows you to use your device as a Mobile Hotspot for other devices to use your mobile network connection.

Configure: Sets the SSID and key for your mobile hotspot.

Manage device: Sets the device(s) allowed to use your hotspot connection.

Help: Displays hotspot help information.

Connected devices are listed at the bottom of the screen.

NOTE From the Mobile Hotspot setting, tap the **Menu key** (in the Touch Keys Bar), then tap **Advanced** to access additional settings including **Manage applications**, **DHCP server**, **DHCP server settings**, and **Power Management**.

Bluetooth tethering: Tap the **Bluetooth tethering** switch OFF ON to toggle it on and off. On shares the phone's internet connection with other Bluetooth devices.

Help: Displays information regarding mobile broadband connection, mobile hotspot, and Bluetooth tethering.

NETWORK

Mobile networks: Sets up options for networks, and APNs (Access Point Names).

Mobile data: Checkmark to enable data access over the mobile network.

Network type and strength: Displays the current network type and the signal strength.

Access point names: Sets up APN for data service. Select an **APN** in the list or tap the **Menu key** (in the Touch Keys Bar), then tap **New APN** to create a new one.

View Account: Accesses your service provider account information. If you are a prepaid user, you can access the Broadband portal through this menu. When the balance is zero, you can add a data plan or change your plan.

VPN: Sets up and manages Virtual Private Networks (VPNs).

Basic VPN: Sets your tablet to use the built-in Android VPN client supporting basic features.

LG VPN: Sets your tablet to use an advanced LG VPN client supporting full IP Security features and interoperability. You can add an LG VPN network or select from your list of VPN connections.

NOTE Tap the **Menu key** (in the Touch Keys Bar) to access **Import certificates**, **Settings**, and **About**.

DEVICE

Sound

Silent mode – Sets the sound profile to **Off** (sounds emitted), **Vibrate** or **On** (silent).

Volumes – Sets individual volume levels for **Notifications**, **Touch feedback & system**, and **Music, video, games & other media**.

Vibrate strength – Sets the level of vibration for notifications and touch feedback.

Notification sound – Sets your default notification ringtone.

Touch sounds – Checkmark to set your tablet to play a sound when you touch buttons, icons, and other onscreen items that react to your touch.

Screen lock sound – Checkmark to set your tablet to play a sound when the touchscreen is locked and unlocked.

Vibrate on touch – Checkmark to set vibration feedback when the screen is touched.

Display

Home screen

Theme – Sets the screen theme for your device. Choose **Basic** or **Marshmallow**.

Wallpaper – Sets the wallpaper to use on your Home screen. Select it from **Gallery**, **Live Wallpapers**, **Multi-photo**, **Photos**, and **Wallpaper gallery**.

Screen swipe effect – Sets the effect when you swipe to change screens. Choose from **Basic**, **Breeze**, **Accordion**, **Panorama**, **Carousel**, **Layer**, and **Domino**.

Allow Home screen looping – Checkmark to set the Home screens to scroll continuously (loop back to the first screen after the last screen).

Allow apps list looping – Checkmark to allow continuous Apps list scrolling (loop back to the first screen after the last screen).

Portrait view only – Checkmark to always display the Home screen in portrait view (no matter how the tablet is held).

Help – Displays information about the Home screen.

Lock screen

Select screen lock – Sets a screen lock type to secure your tablet. Choose from **None**, **Swipe**, **Face Unlock**, **Pattern**, **PIN**, and **Password**.

Screen swipe effect – Sets the screen swipe effect options. Choose from **Particle**, **Dewdrop**, **Crystal**, **Ripple**, and **White light**.

NOTE This setting name may be **Pattern effect** if the Screen lock is set to Pattern.

Weather animation – Checkmark to show weather animation for the current location or primary city set in the Weather app. Animation is based on auto data updates.

Wallpaper – Sets your Lock screen wallpaper. Select it from **Gallery** or **Wallpaper gallery**.

Shortcuts – Allows you to change the shortcuts on the Swipe Lock screen.

Owner info – Checkmark to set the device owner's name to be displayed on the Lock screen. Tap the **Settings** icon to enter the text you want displayed as the Owner info.

Portrait view only – Checkmark to always display the Lock screen in portrait view (no matter how the tablet is held).

Security lock timer – Sets the amount of time before the screen automatically locks after the screen has timed-out.

Power button instantly locks – Checkmark to instantly lock the screen when the **Power/Lock key** is pressed. This setting overrides the Security lock timer setting.

The Screen security settings depend on the Lock type. The following settings may also be displayed.

Hidden pattern – Checkmark to display the unlock dot pattern when (and where) you tap the Lock screen.

Make pattern visible – Checkmark to make your pattern visible while drawing it.

Random PIN Entry – Sets the keypad to random numbers so that someone watching cannot detect your PIN from your hand movements.

Improve face matching – Sets a more precise detection for face matching.

Liveness check – Checkmark to require you to blink during face matching detection (to guard against using a photo of you).

Brightness

Sets the screen brightness. Manually set the level you want or tap the **Auto** checkbox to set the brightness to automatically based on the ambient lighting.

Screen timeout

Sets the time delay before the screen automatically turns off (times-out).

Choose from **15 seconds**, **30 seconds**, **1 minute**, **2 minutes**, **5 minutes**, **10 minutes**, **15 minutes**, and **Keep screen turned on**.

KnockON

Checkmark to allow you to turn the screen on and off with a quick double-tap motion. Quickly double-tap the center of the screen to turn it on. Double-tap the Status Bar, an empty area on the Home screen, or the Lock screen to turn the screen off. For the best results, do not move the tablet while using the KnockON feature.

Screen-off effect

Sets the screen-off effect used when the screen is turned off (automatically or manually).

Auto-rotate screen

Checkmark to automatically switch orientation when you rotate the tablet.

Daydream

Tap the Daydream switch OFF ON to toggle it on and off. On allows the set screen saver to be displayed when the tablet is sleeping while docked and/or charging. Choose from **Clock**, **Colors**, **Google Photos**, **Photo Frame**, and **Photo Table**.

NOTE Charging may be slower while the screen saver is on.

Font type

Sets the font (type) used on the display screens. Choose from **SmartGothic, Travel, Foxrain, Coffee, Purewhite, Serif**, and **Roboto**.

Font size

Sets the size of the font (type) used on the display screens. Choose from **Minimum, Small, Medium, Large, Very large**, and **Maximum**.

Smart screen

Checkmark to keep the screen on when the device detects your eyes looking at the screen.

Smart video

Checkmark to pause the video when it doesn't detect your eyes looking at the screen.

Front touch buttons

Sets the Touch Keys displayed at the bottom of all of the screens. Set which ones are displayed, their position on the bar, and what they look like. You can also select their color and the background.

Aspect ratio correction

Allows you to change the aspect ratio of a downloaded application to fix screen distortion.

Motion sensor calibration

Allows you to improve the accuracy of the tilt and speed of the sensor.

Storage

INTERNAL STORAGE – Displays the total amount of space in the tablet's memory and lists what type of data is using up space.

SD CARD – Displays the total amount of memory space on the microSD card and how much space is available.

Mount/Unmount SD card – Mounts and unmounts the microSD card from your tablet so that you can access the data stored in it, format the card, or safely remove it. This setting is dimmed if there's no microSD card installed, or if you've mounted the microSD card on your computer.

Erase SD card – Permanently erases everything on the microSD card and prepares it for use with your tablet.

Battery

BATTERY INFORMATION

The battery charge information is displayed on a battery graphic along with the percentage of the remaining charge and its status.
Touch the battery charge graphic to display the Battery use screen to see the battery usage levels and battery use details. It displays which components and applications are using the most battery power. Tap one of the entries to see more detailed information.

Battery percentage on status bar – Checkmark to display the percent of battery charge on the Status Bar.

Battery saver – Tap the switch OFF ON to toggle it on and off. Tap **Battery saver** for the following options.

- **Turn Battery saver on:** Sets the battery level at which you want Battery saver to turn on automatically. Choose from **Immediately, 10% battery, 20% battery, 30% battery**, and **50% battery**.
- **Auto-sync:** Checkmark to turn off Auto-syncing when Battery saver is activated.
- **Wi-Fi:** Checkmark to turn Wi-Fi off when data is not being used while Battery saver is activated.
- **Bluetooth:** Checkmark to turn Bluetooth off when not connected while Battery saver is activated.
- **Vibrate on touch:** Checkmark to turn off touch feedback when Battery saver is activated.
- **Brightness:** Checkmark to automatically set the screen brightness level while Battery saver is activated. Tap the **Settings** icon ⚙ to change it.
- **Screen timeout:** Checkmark to set the screen timeout time while Battery saver is activated. Tap the **Settings** icon ⚙ to change the setting.

Help – Displays battery saving tips.

Application manager

Use the Application manager menu to view details about the applications installed on your tablet, manage their data, and force them to stop. Swipe left and right to select one of the three tabs across the top of the screen to view detailed information for DOWNLOADED, RUNNING, and ALL applications. Tap an entry to view more information, tap **Stop** (or **Force stop**), then **OK** to stop it from running.

Tap the **Menu key** (in the Touch Keys Bar) to access **Sort by size, Reset app preferences, Reset default apps**, and **Idle apps**.

Slide Aside

The Slide Aside feature allows you to quickly switch between three open apps (or tasks) using a three finger gesture. Tap the Slide Aside switch OFF ON to toggle it on and off.

PERSONAL

Users

Profile name – Allows you to set the current user's name.

Nickname – Allows you to set the nickname for the current user.

Owner info – Checkmark to set the device owner's name to be displayed on the Lock screen. Tap **Settings** to enter the text to be displayed as the Owner info.

Add user – Allows you to add a new user account for the tablet and use the Multi-user feature.

Location access

Access to my location – Tap the **Access to my location** switch OFF ON to toggle it on and off. On lets apps that have asked your permission use your location information.

GPS location services – Checkmark to let your apps use GPS satellites to determine your location to street-level accuracy.

Wi-Fi & mobile network location – Checkmark to let your apps use Google's location service to estimate your location faster. Anonymous location data will be collected and sent to Google.

Security

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

Encrypt SD card storage – Allows you to encrypt the data on your MicroSD making the data unavailable for other devices.

Set up SIM card lock – Allows you to set if you want to require a PIN to be able to access the SIM card. And, if set, allows you to change the PIN.

Password typing visible – Checkmark to briefly show the last character of the hidden password as you type.

Tablet administrators – Displays the list of administrators, allowing you to deactivate tablet administrators.

Unknown sources – Checkmark to allow installation of apps from non-Play Store applications.

Verify apps – Checkmark to disallow or warn before installation of apps that may cause harm.

Trusted credentials – Displays trusted CA certificates.

Install from storage – Allows you to install encrypted certificates.

Clear credentials – Removes all certificates and related credentials.

Language & input

Language – Sets the language to use for the text on your tablet.

Personal dictionary – Displays a list of the personal words that you've added that are not in the standard dictionaries.

KEYBOARD & INPUT METHODS

Default – Sets the default on-screen keyboard to use when entering text.

Google voice typing – Checkmark to select Google voice typing to enter data. Tap the **Settings** icon ⚙ to change the Google voice settings including **Choose input languages, Block offensive words**, and **Download offline speech recognition**.

LG Keyboard – Checkmark to select the LG keyboard to enter data. Tap the **Settings** icon ⚙ to change the LG keyboard settings including **Input language and type**, **Word suggestion**, **Auto capitalization**, **Auto punctuation**, **Voice input**, **Path input**, **Handwriting**, **Keyboard gesture (Hide keyboard**, **Split keyboard)**, **Additional settings (Extend keyboard**, **Vibrate on keypress**, **Sound on keypress**, **Preview on keypress)**, and **Help**.

SPEECH

Voice Search – Sets voice search options including **Language**, **Speech output**, **Block offensive words**, **Hotword detection**, **Offline speech recognition**, **Personalized recognition**, **Google Account dashboard**, and **Bluetooth headset**.

Text-to-speech output – Sets the preferred speech engine and speech rate (very slow to very fast). You can also listen to an example.

MOUSE/TRACKPAD

Pointer speed – Sets the pointer speed on a slide bar.

Backup & reset

Back up my data – Checkmark to backup your settings and application data to Google servers.

Backup account – Sets the account to which you want to backup data.

Automatic restore – Checkmark to allow the tablet to automatically restore the settings and data from your file backup when an application is reinstalled on the tablet.

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

ACCOUNTS

Google

ACCOUNTS – Displays your Google Account(s).

Search – Displays your sign-in account information and allows you to manage your search settings for the account.

Location settings – Allows you to turn this setting on or off and displays location access information.

Google+ – Displays your Google+ account and settings.

Ads – Sets whether to personalize Google ads in the apps on your tablet.

Add account

Allows you to add accounts.

SYSTEM

Date & time

Automatic date & time – Checkmark to use the network-provided date and time.

Automatic time zone – Checkmark to use the network-provided time zone.

Set date – Tap to manually set the date to use for your device. This setting is greyed-out when the Automatic date & time setting is checkmarked.

Set time – Tap to manually set the time to use for your device. This setting is greyed-out when the Automatic date & time setting is checkmarked.

Select time zone – Tap to select select a time zone other than the one provided by the network. This setting is greyed-out when the Automatic time zone setting is checkmarked.

Use 24-hour format – Checkmark to display the time using the 24-hour time format (for example, 13:00 instead of 1:00 pm).

Select date format – Sets the format for displaying dates.

Accessibility

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

SERVICES

TalkBack – Allows you to set up the TalkBack function which assists people with impaired vision by providing verbal feedback. Tap OFF ON at the top right corner of the screen to toggle it on and off. Tap **Settings** at the bottom of the screen to adjust the TalkBack settings.

VISION

Install web scripts – Allows you to enable (or disable) installation of web scripts.

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

Invert color – Sets the color contrast for easier screen viewing. Tap the switch icon OFF ON to turn this feature on and off. Tap **Yes** to continue, then drag across the screen in any direction until you see the color contrast you want to use.

Magnification gestures – Tap the Magnification gestures switch OFF ON to toggle it on and off. On allows you to zoom in and out by triple-tapping the screen.

Shades – Checkmark to set the screen to a darker contrast (a darker shade).

HEARING

Mono audio – Checkmark to route stereo audio through both the right and left channels when a headset is connected. To manually set the audio route, move the slider on the mono audio slide bar.

PHYSICAL & MOTOR

Touch & hold delay – Sets the touch and hold delay (short, medium, or long).

Universal touch – Tap the switch icon OFF ON to toggle it on and off. On allows you to replace the hardware keys with a Universal touch board . Tap the Universal touch icon to be able to tap its **Power** button, **Home** button, **Volume** buttons, and **Pinch** button. Draw a "W" on the board to automatically launch the Chrome application.

SYSTEM

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

Speak passwords – Checkmark so that characters entered in password fields are read out by the tablet.

One-touch input – Checkmark so that each finger touch enters a letter/character on the LG keyboard.

Easy access – Sets quick, easy access to selected features when you triple-tap the **Home key** three (3) times. Choose **Off**, **Show all**, **TalkBack**, **Invert color**, **Universal touch**, or **Accessibility settings**.

Text-to-speech output – Sets the text-to-speech preferred engine and speech rate setting. Also plays a short demonstration of speech synthesis. Text-to-speech output provides an audible readout of text. For example, the contents of text messages.

PC connection

Select USB connection method – Sets the default connection mode when connecting your tablet to a PC via USB. Choose from: **Charge tablet**, **Media sync (MTP)**, **Internet connection,** or **Camera (PTP)**.

Ask upon connecting – Checkmark to have the tablet ask you to choose which USB connection mode it should use to connect to a PC.

Help – Displays information on the different types of USB connections.

Accessory

Quick Cover – Tap the switch icon OFF to toggle it on and off. On will automatically lock your tablet's screen when you close the Quick Cover. Simply open the cover to unlock the screen.

USB storage Plus & Pop – Sets the Plug & Pop feature for USB storage. Checkmark each app to automatically display it on the app panel when the tablet is connected via an On-The-Go (OTG) USB Cable. Drag ☰ to change the order of the icons. Tap the switch icon OFF ON to toggle this feature on and off.

Earphones Plus & Pop – Sets the Plug & Pop feature for earphones. Checkmark each app to automatically display it on the app panel when an earphone is connected to the tablet. Drag ☰ to change the order of the icons. Tap the switch icon OFF ON to toggle this feature on and off.

About tablet

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

Tablet name – Allows you to set your tablet name.

Network – Allows you to view your Network, Network type and strength, Service state, Roaming state, Mobile network state, IP address, and IMS registration status.

Status – Allows you to view your Tablet phone number, IMEI, IMEISV, ICCID, Rooting status, and Last factory data reset.

Battery – Allows you to view Battery status, Battery level, and Battery use information.

Hardware information – Allows you to view the Model number, Up time, Hardware version, Wi-Fi MAC address, and Bluetooth address.

Software information – Allows you to view Android version, Baseband version, Kernel version, Build number, and Software version.

Legal information – Allows you to view LG apps rights agreement, Open source licenses, and Google legal information.

Patent information – Displays LG patent information.

System updates

View your current system versions. You can also check for any new updates available for your tablet and also check on the status of new updates.

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.

Category	Sub-Category	Question	Answer
Bluetooth	Bluetooth Devices	What are the functions available via Bluetooth?	Connecting to Stereo/Mono Headset, Car Kit, FTP server is possible. When it's connected to another phone via Bluetooth, you can receive Contacts data.
Bluetooth	Bluetooth Headset	If my Bluetooth headset is connected, can I listen to my music through my 3.5mm wired headphones?	When a Bluetooth headset is connected, all system sounds are played over the headset. As a result, you will not be able to listen to music through your wired headphones.
Data	Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data	Synchronization	Is it possible to set up oneway- sync with Gmail?	Only two-way synchronization is available.
Data	Synchronization	Is it possible to synchronize all the Email folders?	The Inbox is automatically synchronized. You can view other folders by touching and selecting the desired folder.
Data	Synchronization	Is it possible to transfer Contacts data from a feature phone to an Android™ phone?	Yes, if your contacts can be extracted into a .CSV file. How to transfer: 1.Create ".CSV" file with the contacts on your current phone. 2.Log into Gmail with your PC. 3.Click Contacts. 4.Click Import. 5.Attach the ".CSV" file. 6.Your contacts will then be synchronized between your Android phone and Gmail.
Google™ Service	Gmail Log-In	Should I have to log into Gmail whenever I want to access Gmail?	Once you log into Gmail, you don't need to log in Gmail again.

Category	Sub-Category	Question	Answer
Google Service	Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
Phone Function	YouTube™	Is it possible to play YouTube videos?	Yes, YouTube videos are supported but may have to be viewed through the YouTube application (and not the Browser).
Phone Function	Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.
Phone Function	Ringtone	Is there a file size limitation for when I want to use an .MP3 file as a ringtone?	There is no file size limitation.
Phone Function	Message Time	My phone does not display the time of receipt for messages older than 24 hours. How can I change this?	No settings can be changed but follow the steps below to view the times. 1.Open the conversation that contains the desired message. 2.Touch and hold the message. 3.Touch **View message details**.
Phone Function	microSD Card	What is the maximum supported size for a memory card?	32GB memory cards are compatible.
Phone Function	Navigation	Is it possible to install another navigation application on my phone?	Any application that is available on Play Store and is compatible with the hardware can be installed and used.
Phone Function	Synchronization	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.

Category	Sub-Category	Question	Answer
Phone Function	Wait and Pause	Is it possible to save a contact with Wait and Pause in the numbers?	If you transferred a contact with the Wait & Pause functions saved into the number, those functions will not be recognized. You will need to re-save each number. **How to re-save numbers with Wait and Pause:** 1.On the Home screen, touch . 2.Dial the number, then touch the **Menu Key** . 3.Touch **Add 2-sec pause** or **Add wait**. 4.Enter the remaining number(s) and continue saving the number as necessary.
Phone Function	Security	What are the phone's security functions?	You are able to set the phone to require the entry of an unlock sequence (Swipe, Face Unlock, Pattern, PIN, or Password) before the phone can be accessed or used.
Phone Function	Unlock Pattern	What should I do if I forget my Unlock Pattern?	After attempting the Unlock Pattern 5 times, you can touch **Forget Pattern**? and use your Google Account information to unlock your phone. In addition, if you forgot the unlock pattern, you can unlock using the Backup Pin.

Category	Sub-Category	Question	Answer
Phone Function	Unlock Pattern	What should I do if I forgot the Unlock Pattern and I didn't create a Google Account on the phone?	Without entering the Unlock Pattern, you will not be able to access your phone. Caution: If you perform a factory reset, all user applications and user data will be deleted. Please remember to back up any important data before performing a factory reset. **How to perform a factory reset:** 1.Turn the phone off. 2.At the same time press and hold **Volume Down Key** + **Power/Lock Key**. 3.Release the keys when the FACTORY HARD RESET screen appears. 4.Read the warning and press the **Power/Lock Key** to confirm. Press any other key to cancel. 5.Press the **Power/Lock Key** to confirm once more or press any other key to cancel. 6.Your device will perform a hard reset and reboot automatically.
Phone Function	Unlock Pattern	How do I create the Unlock Pattern?	1.On the Home screen, touch the **Menu Key**. 2.Touch **Lock screen settings**. 3.Touch **Select screen lock**. 4.Touch **Pattern**. The first time you do this, a short tutorial about creating an unlock pattern appears. 5.Set up by drawing your pattern once > **Continue** > draw again > **Confirm**.

Category	Sub-Category	Question	Answer
Phone Function	Speed Dial	Is Speed Dialing supported?	Yes. You can set Speed Dials as well as save a contact directly on your Home screen. **To set a Speed Dial:** 1.Open the **Contacts** application. 2.Touch the **Menu Key** > **Speed dial**. 3.Touch the empty speed dial location and select the desired contact and phone number. **To set a Direct Dial shortcut to your Home screen:** 1.Touch and hold an empty area on your Home screen. 2.Touch **Widgets > Direct dial**. 3.Select a contact from your Contacts List.
Phone Function	Memory	Is it possible to save a picture to the internal memory while taking a picture?	While using the camera, touch > **Storage** > **Internal storage**.
Phone Function	Memory	Will I know when my memory is full?	Yes, you will receive a notification.
Phone Function	Language Support	Is it possible to change the language?	The phone has multi-lingual capabilities. To change the language: 1.On the Home screen, touch the **Menu Key** > **System settings**. 2.Touch **Language & input > Language**. 3.Touch the desired language.
Phone Function	VPN	How do I set up a VPN?	VPN access configuration is different according to each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.

Category	Sub-Category	Question	Answer
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?	1.On the Home screen, touch the **Menu Key**. 2.Touch **System settings > Display > Screen timeout**. 3.Touch the preferred screen backlight timeout time.
Phone Function	Wi-Fi & 3G	When Wi-Fi and 3G 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, use the 3G 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 appears at the top-center of the screen. Then, without lifting your finger, drag the icon to and release it.
Phone Function	Application	I downloaded an application and it causes a lot of errors. How do I remove it?	1.On the Home screen, touch the **Menu Key**. 2.Touch **System settings > Apps**. 3.Touch the application and then touch **Uninstall**.
Phone Function	Alarm	Can I use music files for my alarm?	Yes. After saving a music file as a ringtone, you can use it for your alarm. • Touch and hold a song in a library list. In the Context menu that opens, touch **Set as ringtone**.
Phone Function	Alarm	Will my alarm be audible or will it go off 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.

Category	Sub-Category	Question	Answer
Phone Spec	Battery Time	What is the maximum amount of time my phone's battery will last before I need to recharge it?	Talk Time: 15hr (900 min.) Standby Time: 300Hr (12.5 Days)
Phone Spec	Band	Which wireless bands are supported by the phone?	Your phone is able to operate on the 800MHz, 1900MHz , and 2100MHz bands.
Recovery Solution	Factory Reset	How do I perform a factory reset?	1.On the Home screen, touch the **Menu Key**. 2.Touch **System settings** > **Backup & reset** > **Factory data reset.** NOTE You can touch the checkbox to also erase all contents from your microSD card when the phone is reset. 3.Read the warning and touch **Reset phone**. 4.Touch **Erase everything**. Attention: If a factory reset is performed, all installed application and user data will be erased. Please remember to back up any important data before performing a factory reset.

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

Safety Information

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

⚠Caution

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

WARNING! Notice for Battery replacement

- For your safety, do not remove the battery incorporated in the product. If you need to replace the battery, take it to the nearest authorized LG Electronics service center or dealer for assistance.
- The Li-Ion battery is a hazardous component which can cause injury.
- Battery replacement by a non-qualified professional can cause damage to your device.

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, IEEE-Std-1725-200x. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.

Do not short circuit the battery or allow metallic conductive objects to contact the 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.

Avoid dropping the tablet. If the tablet 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 device shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.

Charger and Power Cord Safety

The charger and power cord (USB Cable) are intended for indoor use only.

Insert the battery pack charger vertically into the wall power outlet.

Unplug the power cord and charger during lightning storms to avoid electric shock or fire.

Use the correct adapter for your tablet when using the battery pack charger abroad.

Battery Information and Care

Please read the manual of the specified charger for the charging method.

Do not place any heavy items on the power cord. Do not damage the power cord by bending, twisting, or heating and do not allow the power cord to be crimped because it may cause an electric shock or fire. Using a power cord with a loose plug may also cause an electric shock or fire.

When using the power cord, firmly connect the power plug into the device. If not, it may cause excessive heat or fire. Unplug the power cord before cleaning your tablet and, if necessary, clean the power plug pin if it's dirty.

Avoid allowing metallic articles to come into contact with the power plug pin in the Charger/USB port. Metallic items (such as a coin, paperclip, pen, etc. when the tablet is placed in a bag or briefcase) could short-circuit your tablet's battery terminals which may damage your battery and cause an explosion.

If you put your tablet in a bag or briefcase without covering the power port (Charger/USB port), metallic articles (such as a coin, paperclip, pen, etc.) that come into contact with the power plug pin may short-circuit your tablet's battery terminals. This may damage the battery and could cause an explosion. Always cover the power port when not in use.

Recharge the battery after long periods of non-use to maximize battery life. Battery life will vary due to usage patterns and environmental conditions.

The Charging temperature range is between 32°F (0°C) and 113°F (45°C). Do not charge the battery when the temperature is outside of this range. Charging in extreme temperatures might cause excessive heat generation, serious battery damage, and deterioration of battery's characteristics and cycle life.

Do not use or leave the tablet in direct sunlight or in a car heated by sunshine. The tablet may generate excessive heat, smoke, or flames. It also might cause deterioration of the battery's characteristics or cycle life.

The battery pack in the tablet has a protection circuit to avoid dangerous malfunctions. Do not use your tablet near places which may generate more than 100 V of static electricity because it could damage the protection circuit. Damaged protection circuits may generate smoke, rupture, or ignite.

When using your tablet for the first time, if it emits a bad smell, you see rust on it, or anything else abnormal, do not use the device and bring it to the store where you purchased it for a replacement.

Keep the tablet away from babies and small children. If children are allowed to use the tablet, their parents or legal guardians are responsible for supervising and teaching them how to use it safely according to the manual's safety precautions.

If liquid from the battery in the tablet comes in contact with skin or clothing, wash the area with fresh water. The battery fluid may cause skin inflammation. If the tablet shows any indication of battery leakage, do not use it. Take it to the nearest authorized LG Electronics service center or dealer for assistance. Be careful that children do not swallow any parts (such as earphone, connection parts of the device, etc.). This could cause asphyxiation or suffocation resulting in serious injury or death.

Do not handle the tablet with wet hands while it is being charged. It may cause an electric shock or seriously damage your tablet.

Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your tablet. This could cause a fire.

Always unplug the charger from the wall outlet after the tablet is fully charged to avoid unnecessary power consumption.

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 tablet away from: Liquids of any kind

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

Do not use the tablet with wet hands. Moisture on your hands may cause an electric shock to you or damage the tablet.

Do not expose your device to any liquids such as sunscreen lotion (applied to your hands or skin that comes into contact with the tablet) because it may cause your tablet to malfunction or damage it.

Extreme heat or cold

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

Exposing your tablet to extremely low or high temperatures may result in damage, malfunction, or even explosion.

Use your tablet in temperatures between 0°C /32°F and 40°C/104°F, if possible.

Microwaves

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

Dust and dirt

Do not expose your tablet to dust, dirt, or sand which can damage its internal circuits.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your tablet.

To clean your tablet, wipe it with a soft cloth lightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the tablet.

Rough handling of the tablet can cause damage to its internal circuit boards.

Paint

Do not paint the tablet. Paint can clog the mobile device's moving parts or ventilation openings and impair or prevent proper operation.

General Notice

Do not place items containing magnetic components such as a credit card, phone card, bank book, or subway ticket near your tablet. The magnetism of the mobile device may damage the data stored in the magnetic strip.

When the tablet is not used for a long period of time, store it in a safe place with the power cord unplugged.

Do not use the tablet 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 tablet might be deleted due to careless use, repair of the tablet, or upgrade of the software. Please backup your important data and files. (pictures and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

When you use the tablet in public places, set the volume to a low volume so you don't disturb others.

Do not turn your tablet on or off when putting a earphone to your ear.

Your device 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 device during or immediately after operation.

Use accessories, such as earphones and headsets, with caution. Ensure that any wires are tucked away safely.

Part 15.19 statement

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.

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

FCC RF Exposure Information

WARNING! Read this information before operating the device.

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 device 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 device kept 0 inch (0 cm) from the body.

Caution

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

Don't use the device 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 device, 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 devices.

Scientific research on the subject of wireless devices 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 devices. The FDA issued a website publication on health issues related to device 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 the devices 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 device usage can lead to cancer or a variety of other problems, including headaches, dizziness or memory loss."

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 devices in the United States. Before a wireless device 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 device transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that the SAR of handheld wireless devices 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 device 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 device to the body while in use, and the use of hands-free devices. Before a device 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 next to the body) as required by the FCC for each model.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model device 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 XXXXXXXX.

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 device.

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 devices for convenience and comfort. These systems reduce the absorption of RF energy in the head because the device, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the device 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 devices 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 device while in a car, you can use a device with an antenna on the outside of the vehicle. You should also read and follow your wireless device manufacturer's instructions for the safe operation of your device.

Do wireless devices 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 devices 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 device causes brain tumors or other ill effects. [The UK's] recommendation to limit device 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 device 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 device 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 Devices

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

Wi-Fi 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. Wi-Fi 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 Wi-Fi network is capable of operating in this mode, please restrict your Wi-Fi use indoors to not violate federal regulations to protect Mobile Satellite Services.

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/

Consumer Information on SAR

(Specific Absorption Rate)

This model device meets the government's requirements for exposure to radio waves.

Your wireless device is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to Radio Frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

Tests for SAR are conducted using standard operating positions specified by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Because the device is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a device 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 next to the body) as required by the FCC for each model.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID XXXXXXX. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at http://www.ctia.org/.

* In the United States and Canada, the SAR limit for mobile device used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Caution:
Avoid potential hearing loss

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and other potential hearing problems varies. The amount of sound produced by a portable audio device varies depending on the nature of the sound, the device, the device settings, and the headphones. You should follow some commonsense recommendations when using any portable audio device:

Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

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.

Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise.

Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.

Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.

Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:
American Academy of Audiology 11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: www.audiology.org

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD USA 20892-2320

Voice: (301) 496-7243

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/health/hearing

National Institute for Occupational Safety and Health
Hubert H. Humphrey Bldg.

200 Independence Ave., SW
Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

TIA Safety Information

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

Exposure to Radio Frequency Signal

Your wireless handheld portable device 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 devices. 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 device 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 device and may violate FCC regulations.

Tips on Efficient Operation

For your device to operate most efficiently:

Don't touch the antenna unnecessarily when the tablet is in use. Contact with the antenna affects call quality and may cause the tablet 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 device.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6) inches be maintained between a handheld wireless device 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 tablet more than six (6) inches from their pacemaker when the device is turned ON;

Should not carry the tablet in a breast pocket;

Should use the ear opposite the pacemaker to minimize the potential for interference;

Should turn the tablet OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless devices 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 tablet OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

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

Aircraft

FCC regulations prohibit using your device while in the air. Switch OFF your tablet before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your tablet 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 tablet 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 Tablets:

1. Do wireless tablets pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless tablets.
There is no proof, however, that wireless tablets are absolutely safe. Wireless tablets 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 tablets?

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless tablets before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless tablets 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 tablets to notify users of the health hazard and to repair, replace, or recall the tablets so that the hazard no longer exists.

Although the existing scientific data does not justify FDA regulatory actions, the FDA has urged the wireless tablet 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 tablets;

Design wireless tablets 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 tablets with the best possible information on possible effects of wireless tablet 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 tablets with the Federal Communications Commission (FCC). All tablets 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 tablets.

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

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

The term "wireless device" refers here to handheld wireless devices with built-in antennas, often called "cell", "mobile", or "PCS" devices. These types of wireless devices can expose the user to measurable Radio Frequency (RF) energy because of the short distance between the device 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 device 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.

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 devices 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 devices, 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 devices 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 device RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of device use in these studies was around three years.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless tablets 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 tablets. Many factors affect this measurement, such as the angle at which the tablet is held, or which model of tablet is used.

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

All tablets 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 devices 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 tablet and is set well below levels known to have effects. Manufacturers of wireless tablets must report the RF exposure level for each model of tablet to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your tablet so you can find your tablet's RF exposure level in the online listing.

8. What has the FDA done to measure the Radio Frequency energy coming from wireless tablets?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy exposure from wireless tablets 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 and bodies of wireless tablet users. The test method uses a tissue-simulating model of the human head and body. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same tablet. 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 tablet complies with safety guidelines.

9. What steps can I take to reduce my exposure to Radio Frequency energy from my wireless tablet?

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 tablet will reduce RF exposure. If you must conduct extended conversations using a wireless device 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 tablet away from your body or use a wireless device connected to a remote antenna. Again, the scientific data does not demonstrate that wireless tablets 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 tablet use.

10. What about children using wireless tablets?

The scientific evidence does not show a danger to users of wireless tablets, 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 tablets. Reducing the time of wireless tablet 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 devices 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 device causes brain tumors or other ill effects. Their recommendation to limit wireless device use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless communications device interference with medical equipment?

Radio Frequency (RF) energy from wireless communications devices 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 devices. 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 communications device EMI.

The FDA has tested hearing aids for interference from handheld wireless devices 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 communications devices so that no interference occurs when a person uses a "compatible" device 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 communications devices 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 devices in the areas where you drive and always obey them. Also, if using your device 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 using it.

Limited Warranty Statement

1. WHAT THIS WARRANTY COVERS:

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

(1) The limited warranty for the product extends for TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.

(2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.

(3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the U.S., including Alaska, Hawaii, U.S. Territories and Canada.

(4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

(5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.

(6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

2. WHAT THIS WARRANTY DOES NOT COVER:

(1) Defects or damages resulting from use of the product in other than its normal and customary manner.

(2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications,

unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.

(3) Breakage or damage to antennas unless caused directly by defects in material or workmanship.

(4) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.

(5) Products which have had the serial number removed or made illegible.

(6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.

(7) Damage resulting from use of non LG approved accessories.

(8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.

(9) Products operated outside published maximum ratings.

(10) Products used or obtained in a rental program.

(11) Consumables (such as fuses).

3. WHAT LG WILL DO:

LG will, at its sole option, either repair, replace or refund the purchase price of any unit that is covered under this limited warranty. LG may choose at its option to use functionally equivalent re-conditioned, refurbished or new units or parts or any units. In addition, LG will not re-install or back-up any data, applications or software that you have added to your phone. It is therefore recommended that you back-up any such data or information prior to sending the unit to LG to avoid the permanent loss of such information.

4. STATE LAW RIGHTS:

No other express warranty is applicable to this product.

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

5. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call or fax to the following telephone numbers from anywhere in the continental United States:

Tel. 1-800-793-8896 or Fax. 1-800-448-4026
Or visit http://us.lgservice.com. Correspondence may also be mailed to:

LG Electronics Service- Mobile Handsets, P.O. Box 240007, Huntsville, AL 35824

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.
Please call or write for the location of the LG authorized service center nearest you and for the procedures for obtaining warranty claims.