



USER GUIDE

**LG G** Pad 5<sup>™</sup><sub>10.1</sub> FHD

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MFL71749201 (1.1)

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

### **Before you begin using your new device**

Included in the box with your device are separate information leaflets. These leaflets provide you with important information regarding your new device. Please read all of the information provided. This information will help you to get the most out of your device, reduce the risk of injury, avoid damage to your device, and make you aware of legal regulations regarding the use of this device.

It's important to review the Product Safety and Warranty Information guide before you begin using your new device. Please follow all of the product safety and operating instructions and retain them for future reference. Observe all warnings to reduce the risk of injury, damage, and legal liabilities.

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## Multi-tasking feature

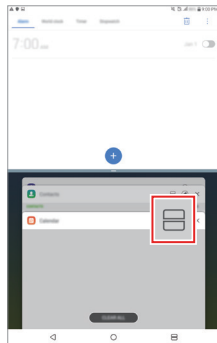
### Multi window



You can use two apps at the same time by separating the screen into the multiple windows.

1. Tap  **Recent apps** from the Home touch buttons.
  - ▶ Recently-used apps appear.
2. Tap  **Multi window** at the top of the desired app to use the Multi window feature.
  - ▶ The selected app appears at the top half of the screen.

You can also access this feature doing the following:


1. Touch and hold  **Recent apps** while using an app.
  - ▶ Recently-used apps appear on the split screen.
2. Tap  **Multi window** at the top of the desired app to use the Multi window feature.
  - ▶ The selected app appears at the bottom half of the screen.



- NOTES**
- To deactivate the Multi window feature, touch and hold  **Multi window** on the Home touch button.
  - To adjust the size of the split screen, drag  **Dividing bar** at the center of the screen.
  - The Multi window feature is not supported by some LG apps and apps downloaded from Play Store.




### Overview screen

The Overview screen provides a preview of your recently used apps.

To view the list of recently used apps, tap  **Recent apps** on the Home, then tap the displayed app.

### Comfort view

Set the device to reduce amount of blue light on screen to reduce eye strain.

1. Tap  Home >  **Settings** > **Display** > **Comfort view**.
2. Tap **Use Comfort view**  **ON/OFF** to turn on.  
**OR**  
Drag the status bar downward and turn on **Comfort view**.
3. Adjust the Blue light filter slide bar to meet your preferences.



- NOTE** Comfort view may not be available when some Vision Accessibility related features are turned on.

## Camera features



### Portrait

You can create an artistic portrait photo, whereby the subject is in focus and the background is blurred. You can also edit the image by applying lighting or color effect to the background.

- NOTES**
- While taking a photo, keep the distance to your subject to 1.3 ~ 5 feet.
  - This feature is not available if the surroundings are too dark.

1. Tap  Home >  Camera, switch to the front camera, **Portrait**.
2. To adjust blur strength, drag the slide bar up, down, left or right (depending on the orientation of the device).





3. When **Portrait** is available,  appears on the screen, tap  Capture to take a photo.
  - ▶ The Portrait feature may not work if the camera cannot recognize the subject.



## AI CAM

You can use the AI Cam feature to automatically recognize the object when taking a photo or recording a video for an optimal quality.

1. Tap  Home >  Camera, then tap **AI CAM**.
2. When the object is recognized, the best effect for the scene is applied.
  - ▶ To apply other effects, tap the scene icon.
  - ▶ A wide range of categories, such as portrait, animals, food, sunrise, sunset, landscape, flowers, can be recognized automatically.












**NOTE** The result of the scene recognition may differ depending on the illumination or the location of the subject while taking photos. Keywords do not appear on the actual photos or videos.

## QuickMemo+








### QuickMemo+ overview

You can make creative notes by using a variety of options on this advanced notepad feature, such as image management and screenshots, which are not supported by the conventional notepad.



### Creating a note


1. Tap  Home >  QuickMemo+.
2. Tap  Add to create a note.
  - ▶ : Save a note.
  - ▶ : Undo the previous edit.
  - ▶ : Redo the recently deleted edits.
  - ▶ : Enter a note by using the keypad.
  - ▶ : Write notes by hand.
  - ▶ : Zoom in or out, rotate or erase the parts of a handwritten note.
  - ▶ : Access additional options.
3. Tap  Done to save the note.

### Writing notes on a photo

1. Tap  Home >  QuickMemo+ >  Camera.
2. Tap  Capture to take a photo, then tap OK.
  - ▶ The photo is automatically attached into the notepad.
3. Tap  Type or  Pen to write notes on the photo.
  - ▶ Write notes by hand on the photo.
  - ▶ Enter text below the photo.
4. Tap  Done to save the note.






### Writing notes on a screenshot

1. While viewing the screen you want to capture, drag the status bar downwards and then tap  Capture+.
  - ▶ The screenshot appears as the notepad background theme. Memo tools appear at the top of the screen.
2. Crop the image (if necessary) and take notes as desired.
  - ▶ Write notes by hand on the photo.
3. Tap  Done and save the notes to the location of your choice.
  - ▶ Saved notes can be viewed in either **QuickMemo+** or **Gallery**.
  - ▶ To save notes in the same location all the time, select the **Use as default app** checkbox before selecting an app.

- NOTES**
- You can capture the entire screen by using the scroll capture feature.
  - While using an app such as Chrome, drag the notifications panel downwards and then tap  Capture+ > **Extended** to capture the entire screen you are currently viewing as a single file.
  - This feature is available only on some apps that support the scroll capture feature.

## Managing folders

You can view notes grouped by the type of the notes.




1. Tap  Home >  QuickMemo+.
2. At the top of the screen, tap  Menu and select a menu item:
  - ▶ **All memos:** View all notes saved in QuickMemo+.
  - ▶ **My memos:** View notes created by QuickMemo+.
  - ▶ **Capture+:** View notes created by Capture+.
  - ▶ **Photo memos:** View notes created by  Camera.
  - ▶ **Trash:** View deleted notes.
  - ▶ **New category:** Add categories.
  - ▶  **Settings :** Rearrange, add or delete categories. To change the name of a category, tap the category.

**NOTE** Some folders do not appear when launching QuickMemo+ for the first time. Disabled folders are enabled and appear when they contain at least one related note.

## Sound quality and effects



### DTS:X 3D Surround

You can play a song or video in three-dimensional, immersive and vivid sound. Connect to an earphone, speaker or other external audio devices to use this feature.

Tap  Home >  Settings > Sound > Sound quality and effects, then tap DTS:X 3D Surround,  ON/OFF to activate this feature.

### Adjusting the sound direction

You can adjust the sound direction as desired.

1. Tap  Home >  Settings > Sound > Sound quality and effects > DTS:X 3D Surround.
2. Select the desired sound direction.


## Google Assistant




### Google Assistant overview

You can launch or use desired apps with your voice.

**NOTE** To use this feature, first connect to the network and sign in to your Google Account.


### Sign in

1. Press and hold  **Home** from the Home screen to launch **Google Assistant**.
2. Follow the on-screen instructions and say “**Ok Google**”
  - ▶ The device saves your voice data for recognition.
3. Select whether to use voice recognition unlock feature.
  - ▶ When this feature is activated, you can unlock the screen by saying “**Ok Google**” while the screen is turned off or unlocked.

- NOTES**
- This feature may be more vulnerable to security than the other screen locks, such as Knock Code, Pattern, PIN, and Password. When a similar voice or your recorded voice is used, the screen may be unlocked.
  - To use this feature, tap  **Home** >  **Settings** > **Lock screen & security** > **Secure lock settings** > **Smart Lock**, and then use the screen lock method you set to unlock the device. Tap **Voice Match** > **Unlock with Voice Match**, and tap  **ON/OFF**, then enter the currently used unlock method again. Note that Swipe is excluded.
  - You need to unlock the device by using the specified method after failing to unlock the device with voice recognition. See [Setting a Screen Lock](#) for details.

4. Tap **Save**.


### Launching Google Assistant

1. Touch and hold  **Home** on the Home screen.
 

**OR**

Press the Google Assistant key on the left side of the device.

**OR**

Say “**Ok Google**” when the screen is turned off or locked.
2. Say a command or question when you see  on the bottom of the screen.

**NOTE** Voice recognition accuracy may decrease if you speak with an unclear voice or in a noisy place. When you use the voice recognition feature, increase its accuracy by speaking with a clear voice in a quiet place.

## Fingerprint recognition

### Fingerprint recognition overview

You must register your fingerprint on your device first before using the fingerprint recognition function.

You can use the fingerprint recognition function in the following cases:

- ▶ To unlock the screen.
- ▶ To view locked contents in Gallery or QuickMemo+.
- ▶ Confirm a purchase by signing in to an app or identifying yourself with your fingerprint.

**NOTE** Your fingerprint can be used by the device for user identification. Very similar fingerprints from different users may be recognized by the fingerprint sensor as the same fingerprint.

### Precautions for fingerprint recognition

Fingerprint recognition accuracy may decrease due to a number of reasons. To maximize the recognition accuracy, check the following before using the device.

- ▶ Ensure that the fingerprint sensor is not damaged by a metallic object, such as coin or key.
- ▶ When water, dust or other foreign substance is on the fingerprint sensor or your finger, the fingerprint registration or recognition may not work. Clean and dry your finger before having the fingerprint recognized.
- ▶ A fingerprint may not be recognized properly if the surface of your finger has a scar or is not smooth due to being soaked in water.
- ▶ If you bend your finger or use the fingertip only, your fingerprint may not be recognized. Make sure that your finger covers the entire surface of the fingerprint sensor.
- ▶ Scan only one finger for each registration. Scanning more than one finger may affect fingerprint registration and recognition.
- ▶ The device may generate static electricity if the surrounding air is dry. If the surrounding air is dry, avoid scanning fingerprints, or touch a metallic object such as coin or key before scanning fingerprints to remove static electricity.

## Registering fingerprints

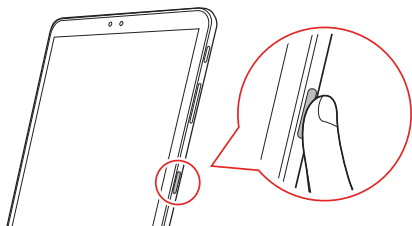
You can register and save your fingerprint on the device to use fingerprint identification.

1. Tap  Home >  Settings > Lock screen & security > Fingerprints.

- NOTES**
- This feature is available only when the screen lock is set.
    - Lock the device with a Knock Code, Pattern, PIN or Password.
  - If the screen lock is not set, enable it by following the on-screen instructions. See [Setting a Screen Lock](#) for details.

2. Locate the fingerprint sensor on the back of the device and gently put your finger on it to register the fingerprint.




- NOTES**
- Gently press the fingerprint sensor so that the sensor can recognize your fingerprint.
  - Ensure that your fingertip covers the entire surface of the sensor.



3. Follow the on-screen instructions.
  - ▶ Repeat scanning the fingerprint by moving your finger little by little until the fingerprint is registered.
4. When the fingerprint registration is done, tap **OK**.
  - ▶ Tap **ADD MORE** to register another fingerprint. If you register only one fingerprint and the corresponding finger is not in a good condition, the fingerprint recognition may not work well. As a preventative measure, register multiple fingerprints.



### Managing fingerprints

You can edit or delete registered fingerprints.

1. Tap  Home >  Settings > Lock screen & security > Fingerprints.
2. Unlock according to the specified lock method.
3. From the fingerprint list, tap a fingerprint to rename it. To delete it, tap  Delete.

### Unlocking the screen with a fingerprint

You can unlock the screen or view locked content by using your fingerprint. Activate the desired function:

1. Tap  Home >  Settings > Lock screen & security > Fingerprints.
2. Unlock according to the specified lock method.
3. On the fingerprint settings screen, activate the desired function:
  - ▶ **Screen lock:** Unlock the screen with a fingerprint.
  - ▶ **Content lock:** Access locked contents in Gallery and QuickMemo+ with a fingerprint.

## Device 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 device.

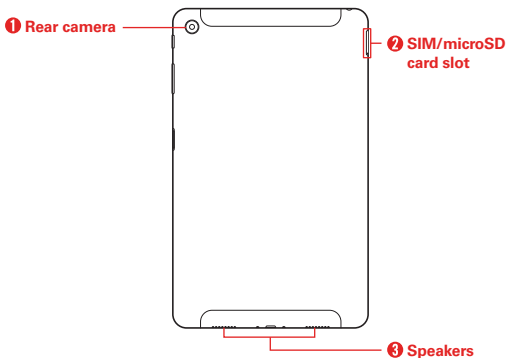
**WARNING!** Some of the device parts are made of tempered glass. If you drop your device on a hard surface or subject it to severe impact, the tempered glass may be damaged. If this happens, stop using your device immediately and contact the LG Customer Service Center.

1. **Headset jack** Allows you to plug in an optional headset for convenient, hands-free conversations or recording your voice using the HD Audio Recorder app. You can also plug in headphones to listen to music.



2. **Ambient light sensor** Senses proximity toward other objects (such as your head) so that tap commands are not accidentally activated during a call or when carried inside a pocket. It also employs an ambient sensor which measures the surrounding light and adjusts the LCD brightness to provide a vivid screen.  
**NOTE** Don't block the sensor or near the sensor to avoid problems with the touch screen.
3. **USB/Charger port** Allows you to connect the device and the USB Type-C cable for use with the charger adapter, or other compatible accessories.
4. **Microphone** Transmits your voice to the other caller. It's also used for voice-activated functions.
5. **Front camera** Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep the lenses clean for optimal performance.
6. **Power/Lock button** Press to turn off the screen backlight and lock the screen, or turn the screen backlight back on. Press and hold to turn the device on/off, restart, or activate/deactivate Airplane mode.
7. **Volume buttons** Press to adjust the ringer, the media volumes, or the in-call volume during a call. They can also activate the camera shutter and access shortcuts when enabled in the Settings menu.
8. **Fingerprint sensor** Allows you to record and use fingerprints to secure your device.

## Rear View



**NOTE** Press and hold the volume down button and Power/Lock button at the same time for a second to take a screenshot.

**WARNING!** Don't attempt to remove the back cover.

This device has a non-removable battery. Do not attempt to remove the back cover. Doing so may severely damage the battery and device, which could cause overheating, fire, and injury.

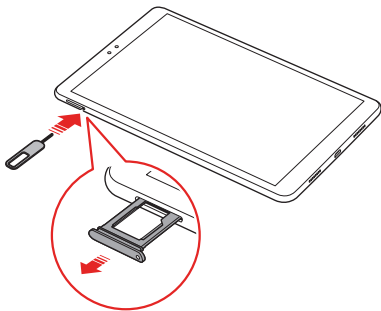
1. **Rear camera** Use to take photos and record videos. Keep the lenses clean for optimal performance.
2. **SIM/microSD card slot** Insert the SIM card and an optional memory card (not included) for file storage.
3. **Speakers** Use to listen to audio (e.g., music, videos, sound clips, speakerphone, etc.) from the rear speaker instead of the earpiece.

## Installing the SIM card and memory card

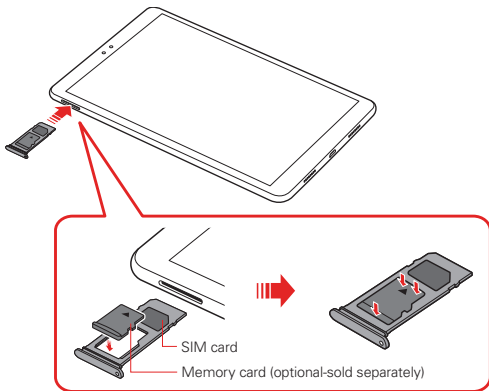
Insert the SIM card provided by your mobile service provider to start using your device.

**NOTE** Your device already has a SIM card installed.

1. Insert the ejection pin into the hole in the card tray and then pull out the card tray from the device.



- Place the SIM card or memory card on the card tray and then insert the card tray into the device in the direction of the arrow.

**NOTES**

- This device supports only Nano SIM cards.
- For problem-free performance, it is recommended to use the device with the correct type of SIM card. Always use a factory-made SIM card supplied by the service provider.
- Do not lose your SIM card. LG is not responsible for damage and other issues caused by loss or transfer of a SIM card.
- Be careful not to damage the SIM card when you insert or remove it.
- When you insert the card tray back into the device, insert it horizontally in the direction of arrow as shown in the figure. Make sure that the card placed on the card tray does not move out of its position.
- Frequent writing and erasing of data may shorten the memory card lifespan.
- Some memory cards may not be fully compatible with the device. If you use an incompatible card, it may damage the device or the memory card, or corrupt the data stored in it.

## Removing the memory card

Unmount the memory card before removing it for safety.

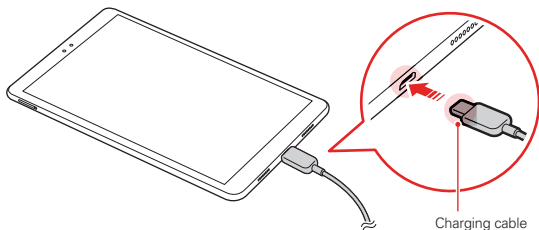
1. Tap **Home** > **Settings** > **Storage** > **Eject**.
2. Insert the ejection pin into the hole in the card tray and then pull out the card tray from the device.
3. Remove the memory card from the card tray.
4. Insert the card tray back into the slot.

**WARNING!** Do not remove the memory card while the device is transferring or accessing information. This may cause data to be lost or corrupted, or may damage the memory card or the device. LG is not responsible for losses that result from the abuse or improper use of memory cards, including the loss of data.

## Charging the battery

Before using the device, fully charge the battery.

Charge the device with the USB Type-C cable.



- WARNING!**
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to device. If there is moisture, stop using the device immediately and remove the moisture completely.
  - Do not use unapproved USB cables or chargers with your device. The LG limited warranty does not cover damage caused by the use of third party accessories.
  - Using the device when it is charging may cause electric shock. To use the device, stop charging it.

- NOTES**
- Remove the charger from the power socket after the device is fully charged. This prevents unnecessary power consumption.
  - A charging adapter that supports fast charging is included with the product. The fast charging feature may not work if a fast charging adapter other than the genuine adapter provided with the product is used.
  - Another way to charge the battery is by connecting a USB cable between the device and a desktop or laptop computer. This may take a longer time than plugging the adapter to a wall outlet.
  - Do not charge the battery by using a USB hub that is unable to maintain the rated voltage. Charging may fail or unintentionally stop.
  - Since the battery is a consumable, the battery life may be shortened as time goes.

### Using the battery efficiently

Battery lifespan may decrease if you keep many apps and functions running simultaneously and continuously. Cancel background operations to increase battery life. To minimize battery consumption, follow these tips:

- ▶ Turn off the **Bluetooth**<sup>®</sup> or Wi-Fi network function when not using them.
- ▶ Set the screen timeout to as short a time as possible.
- ▶ Minimize the screen brightness.
- ▶ Set a screen lock when the device is not in use.
- ▶ Check the battery usage details and close any downloaded apps.

## Turning the power on or off

### Turning the power on

When the power is turned off, press and hold the  Power/Lock key.

**NOTE** When the device is turned on for the first time, initial configuration takes place. The first booting time for the smart device may be longer than usual.

### Turning the power off

Press and hold the  Power/Lock key, then select **Power off**.

### Power control options

Press and hold the  Power/Lock button, then select an option.

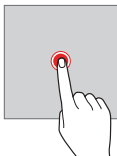
- ▶ **Power off:** Turn the device off.
- ▶ **Power off and restart:** Restart the device.
- ▶ **Turn on Airplane mode:** Block telecommunication-related functions, including browsing the Internet. Other functions remain available.

## Touch Screen

You can familiarize yourself with how to control your device by using touch screen gestures.

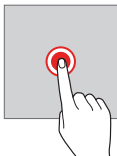
### Tapping

Lightly tap with your fingertip to select or run an app or option.



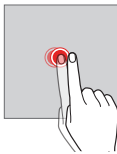
### Touching and holding

Touch and hold for several seconds to display a menu with available options.



### Double-tapping

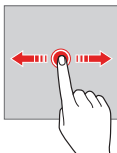
Tap twice quickly to zoom in or out on a web page or map.





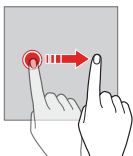
## Dragging

Touch and hold an item, such as an app or widget, then move your finger to a desired location in a controlled motion. You can use this gesture to move an item.



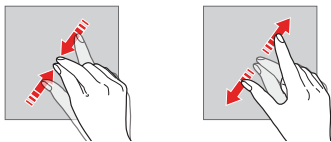
## Swiping

Touch the screen with your finger and move it quickly without pausing. You can use this gesture to scroll through a list, a web page, photos, screens, and more.



## Pinching and spreading

Pinch two fingers to zoom out such as on a photo or map. To zoom in, spread your fingers apart.



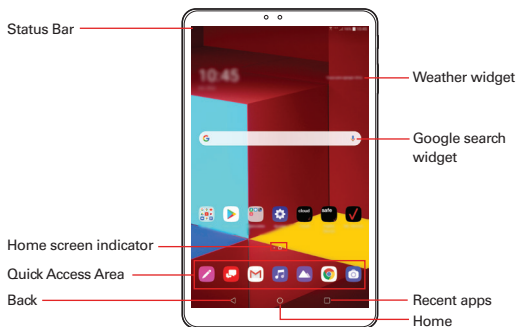
**WARNING!** Do not expose the touch screen to excessive physical shock. You might damage the touch sensor.

**NOTES**

- A touch screen failure may occur if you use the device near a magnetic, metallic or conductive material.
- If you use the device under bright lights, such as direct sunlight, the screen may not be visible, depending on your position. Use the device in a shady location or a location with an ambient light that is not too bright and bright enough to read books.
- Do not press the screen with excessive force.
- Gently tap with your fingertip on the desired option.
- The touch control may not work properly if you tap while wearing a glove or by using the tip of your fingernail.
- Touch control may not work properly if the screen is moist or wet.
- The touch screen may not function properly if a screen-protective film or accessory purchased from a third party store is attached to the device.
- Displaying a static image for extended periods of time may result in after images or screen burn-in. Turn off the screen or avoid displaying the same image for a long time when you do not use the device.

## Getting to Know the Home Screen

The Home screen is your starting point to access all of the features on your device using simple motions on the screen. It's comprised of multiple panels (swipe horizontally to switch). You can customize all of your Home screen panels with app shortcuts, icons, widgets, folders, and other features.



**NOTE** The Home screen may vary, depending on the service provider or software version.


- ▶ **Status bar:** View status icons, the time and the battery level.
- ▶ **Weather widget:** View the information of weather and time for a specific area.
- ▶ **Google search widget:** Perform a Google search by inputting spoken or written keywords.
- ▶ **Home screen indicator:** Display the total number of Home screen canvases. You can tap the desired page icon to go to the page. The icon reflecting the current canvas will be highlighted.
- ▶ **Quick access area:** Fix main apps at the bottom of the screen so that they can be accessed from any Home screen canvas.

### ▶ Home touch buttons

- ◀: Return to the previous screen. Close the keypad or pop-up windows.
- : Tap to go to the Home screen. To launch Google Assistant, touch and hold.
- : Tap to view a list of recently used apps or run an app from the list. To delete all the recently used apps, tap **CLEAR ALL**. To use two apps at the same time with the Multi window feature, touch and hold the button while using an app.

### Changing the style of the Home touch buttons

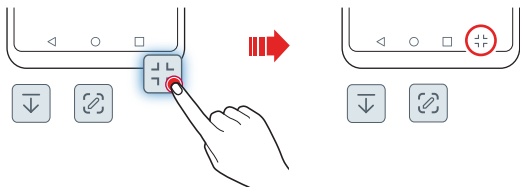
You can change the style of the Home touch buttons.

1. Tap ○ Home > ⚙ Settings > Display > Home touch buttons.
2. Under **STYLE**, select **Buttons only** or **Gesture and buttons** to suit your preferences.
  - ▶ **Buttons only**: ◀/○/□ are available. Tap □ to see recent apps.
  - ▶ **Gesture and buttons**: Home button and Back button are available. To see recent apps, swipe the Home button  up.

## Modifying the Home touch buttons

You can change buttons displayed on the Home touch buttons Bar, as well as their position and color.

1. Tap **Home** > **Settings** > **Display** > **Home touch buttons**.
2. Select the modification you want to apply.
  - ▶ Tap **Button combination** to select Home touch buttons you want to add to the bar and their position within the bar. Choose from **Notification**, **Capture+**, and **QSlide** to add.




- ▶ Under **Background color**, select a desired color from the options provided.





















## Status Bar

The Status Bar appears at the top of every screen. It displays icons indicating that you've received notifications (on the left) and icons indicating the device's status (on the right), along with the current time.












### Sound icons

	Do not disturb - Priority only		Do not disturb - Total silence
	Vibrate mode		Silent mode
	Music playing		Music paused

### Network icons

	3G connected		3G in use
	4G LTE connected		4G LTE in use
	Wi-Fi connected		Wi-Fi with no Internet
	Signal strength		No signal
	Roaming		Network extender
	No SIM card		Unknown SIM card
	Airplane mode		GPS on
	App update available		App update successful
	Downloading		Uploading
	Download successful		Emergency Alert






### Connectivity icons

	Syncing		Mobile Hotspot on
	USB connected		USB debugging mode
	Bluetooth connected		Bluetooth on
	Bluetooth headset battery full		Bluetooth headset battery low
	Headset connected		Headset with microphone connected
	Internal storage full		




### Calendar and Alarm icons

	Alarm set		Upcoming events
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### Battery icons

	Full battery		Fast Charging
	Charging battery		Wireless charging
	Low battery		Empty battery
	Not charging		

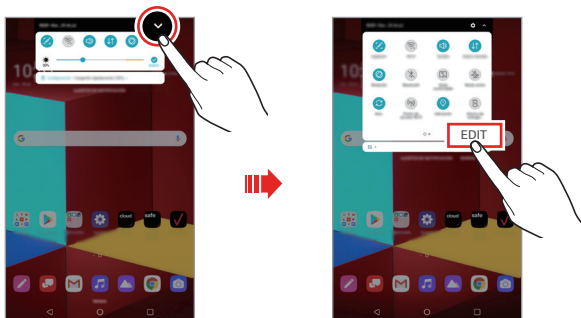
### Other icons

	More notifications		Screenshot saved
	Keyboard		

## Notifications panel

You can open the notifications panel by dragging the status bar downward on the main screen.

- ▶ To open the quick access icons list, drag the notifications panel downwards.
- ▶ To rearrange, add, or remove icons, tap **EDIT**.
- ▶ If you touch and hold the icon, the settings screen for the corresponding function appears.



**NOTE** You can use the notifications panel even on the lock screen. Drag the notifications panel while the screen is locked to quickly access the desired features.



### Switching the screen orientation

You can set the screen orientation to automatically switch according to the device's physical orientation.

On the notification panel, tap **Rotation** from the quick access icon list.

You can also tap **Home** > **Settings** > **Display** and activate **Auto-rotate screen**.




### Editing the Home screen

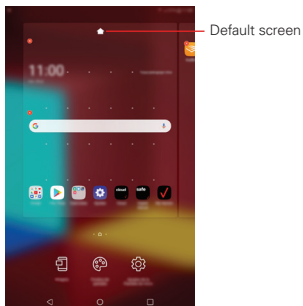
On the Home screen, touch and hold on an empty space, then select the desired action from below.

- ▶ To rearrange the Home screen canvases, touch and hold on a canvas, then drag it to a desired location.
- ▶ To add a widget to the Home screen, touch and hold on a blank area of the Home screen, then select **Widgets**.
- ▶ To change a wallpaper, touch and hold on a blank area of the Home screen, then select **Wallpapers**.

You can also tap **Home** > **Settings** > **Display** > **Wallpaper**, then select a desired wallpaper to apply to the device.

- ▶ To configure the Home screen settings, touch and hold on a blank area of the Home screen, then select **Home screen settings**.

- ▶ To change the app arrangement, touch and hold on a blank area of the Home screen, then select **Grid**.
- ▶ To change the default screen, touch and hold on a blank area of the Home screen, move to desired screen, tap  **Default screen**, then tap the screen once more.



## Using folders from the Home screen


### Creating folders

On the Home screen, touch and hold an app, then drag it over another app.

- ▶ A new folder is created and the apps are added to the folder.

### Editing folders


On the Home screen, tap a folder and do one of the following actions.



- ▶ To edit the folder name and colour, tap the folder name.
- ▶ To add apps, touch and hold an app, then drag it over the folder and release it.
- ▶ To remove an app from the folder, touch and hold the app and drag it to outside the folder. If there is only one app remaining in the folder, the folder is removed automatically.
- ▶ You can also add or remove apps after tapping  **Add** in the folder.

#### NOTE

The folder color cannot be changed for downloaded themes.

### Home with separate apps list

Home with separate apps list is another version of the Home screen that you can use on your device. This version places all of your installed and downloaded apps in an Applications screen instead of on your Home screen panels. The  **Apps** icon in the Quick Access Bar allows you to access all of your apps and you can just copy shortcuts of the desired apps to your Home screen.

- ▶ Tap  Home >  Settings > Display > Home screen > Select Home > Home with separate apps list.



## Setting Your Lock Screen

Your device's screen turns off and locks itself if you press the Power/Lock button. This also happens after the device is left idle for a specified period of time. If you press the Power/Lock button when a screen lock is not set, the Home screen appears immediately. To ensure security and prevent unwanted access to your device, set a screen lock.

**NOTE** A screen lock prevents unnecessary touch input on the device screen and reduces battery consumption. We recommend that you activate the screen lock while not using the device.

### Setting a Screen Lock

There are several screen lock options available.

1. Tap  Home >  Settings > Lock screen & security.
2. Tap **Select screen lock** and then select the desired method.
3. Customize the following settings.

**None:** Deactivate the screen lock function.

**Swipe:** Swipe on the screen to unlock the screen.

**Pattern:** Draw a pattern to unlock the screen.

**PIN:** Enter a numeric password to unlock the screen.

**Password:** Enter an alphanumeric password to unlock the screen.

**Fingerprints:** Unlock the screen by using your fingerprint.

## Secure start-up settings

For additional security for your device, you can enable the Secure start-up option when setting a screen lock.

- ▶ You cannot use all functions, except for emergency calls until you unlock the device.

## Precautions for the secure start-up feature

- ▶ If you forget your decryption password, you cannot restore encrypted data and personal information.
- ▶ Be sure to keep your screen lock passwords separately.
- ▶ If you enter the screen lock passwords incorrectly more than the specified times, the device automatically resets itself and the encrypted data and your personal information are deleted automatically and they cannot be restored.
- ▶ Be cautious not to enter incorrect screen lock passwords more than the specified times.
- ▶ When you turn on the device right after the device reboots, encryption also starts. If you stop the encryption arbitrarily, the data may be damaged. Be sure to wait until the reboot is completed.

## KnockON

You can turn the screen on or off by double-tapping the screen.

### NOTES

- This option is available only on the Home screen provided by LG. It may not function properly on a custom launcher or on the Home screen installed by the user.
- When tapping the screen, use your fingertip. Do not use a fingernail.
- To use the KnockON feature, make sure that the proximity/light sensor is not blocked by a sticker or any other foreign substance.

## Turning the screen on

Double-tap the middle of the screen.

- ▶ Tapping the top or bottom of the screen may decrease the recognition rate.




### Turning the screen off

Double-tap on an empty space on the Home screen and Lock screen.

You can also double-tap an empty space on the status bar.



### Disabling the KnockON feature

You can disable the KnockON feature by using the following method:

Tap  Home >  Settings > Extensions > KnockON then tap  ON/OFF to deactivate this feature.

## Memory card encryption

You can encrypt and protect data saved on the memory card. The encrypted data in the memory card cannot be accessed from another device.

1. Tap  Home >  Settings > Lock screen & security > Encryption & credentials > Encrypt SD card.
2. Read the on-screen overview of memory card encryption and then tap **CONTINUE** to continue.
3. Select an option and tap **ENCRYPT NOW**.
  - ▶ **New data encryption:** Encrypt only data that is saved on the memory card after encryption.
  - ▶ **Full encryption:** Encrypt all the data currently saved on the memory card.
  - ▶ **Exclude media files:** Encrypt all files, except for media files such as music, photos and videos.


#### NOTES

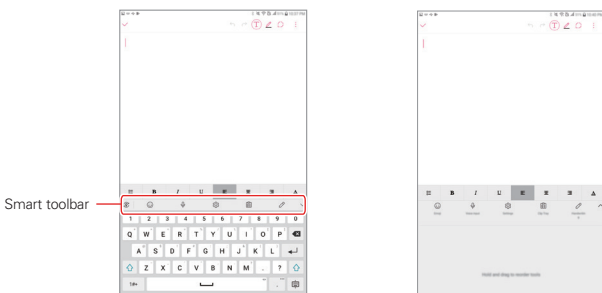
- Once memory card encryption starts, some functions are not available.
- If the device is turned off while encryption is underway, the encryption process will fail, and some data may be damaged. Therefore, be sure to check if the battery level is sufficient before starting encryption.
- Encrypted files are accessible only from the device where the files were encrypted.
- The encrypted memory card cannot be used on another device. To use the encrypted memory card on another mobile device, format the card.
- You can activate memory card encryption even when no memory card is installed into the device. Any memory card that is installed after encryption will automatically be encrypted.

## Entering text

### Using the Smart toolbar









You can use various keyboard input methods in one place. You can select the desired input method from the top of the keyboard.

1. Select the desired keyboard input method from the Smart toolbar.
2. Tap  **Show**, then touch and drag each tool to reorganize as desired.



#### NOTES

- Some supporting input methods may differ depending on the device you have.
- You can turn on or off the Smart tool feature from the keyboard settings.

	Tap to hide the smart tools.
	Tap to add emoticons.
	<p>Tap to enter text by using voice.</p> <ul style="list-style-type: none"><li>• To maximize the voice command recognition, speak clearly.</li><li>• To enter text with your voice, make sure that your device is connected to a network.</li><li>• To select the language for voice recognition, tap  <b>Settings</b> &gt; <b>Languages</b> on the voice recognition screen.</li><li>• This function may not be supported, or the supported languages may differ depending on the service area.</li></ul>
	Tap to access keyboard settings.
	<p>Tap to open the clip tray.</p> <p>For more information, please see <i>Clip Tray</i>.</p>
	<p>Tap to enter text by handwriting.</p> <ul style="list-style-type: none"><li>• It is required to download the input language data for handwriting. Tap <b>DOWNLOAD</b> to download the input language data for handwriting.</li></ul>
	Tap to bring the smart tools back.

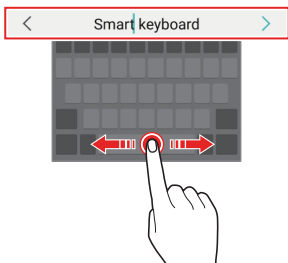
## Using the Smart keyboard

You can use the Smart keyboard to enter and edit text.

With the Smart keyboard, you can view text as you type without bothering to alternate between the screen and a conventional keyboard. This allows you to easily find and correct errors when typing.

### Moving the cursor

With the Smart keyboard, you can move the cursor to the exact position you want. When typing text, touch and hold on the space bar and then drag left or right.

**NOTE**

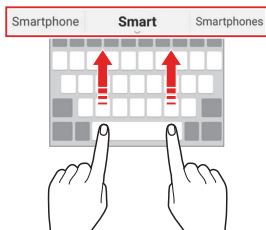
This option is available only on the QWERTY keyboard.



## Suggesting words

Smart keyboard automatically analyzes your usage patterns to suggest frequently used words as you type. The longer you use your device, the more precise the suggestions are.



Enter text, then tap a suggested word.



- ▶ The selected word is automatically entered. You do not need to manually type every letter of the word.

## Copy and Paste

You can cut or copy text from an app, and then paste the text into the same app. Or, you can run other apps and paste the text into them.

1. Touch and hold around the text you want to copy or cut.
2. Drag  /  to specify the area to copy or cut.
3. Select either **Cut** or **Copy**.
  - ▶ Cut or copied text is automatically added to the clipboard.
4. Touch and hold the text input window, then select **Paste**.

### NOTE



If there is no item that has been copied or cut, the Paste option will not appear.

## Clip Tray

If you copy or cut an image or text, it is automatically saved to the clip tray and can be pasted to any space at any time.

1. On the Smart tool, tap  **ClipTray**.

You can also touch and hold the text input window, then select **ClipTray**.

2. Select and paste an item from the clip tray.
  - ▶ A maximum of 20 items can be saved to the clip tray.
  - ▶ Tap  **Lock** to lock saved items in order not to delete them, even when the maximum quantity is exceeded. A maximum of ten items can be locked. To delete locked items, unlock them first.
  - ▶ Tap  **Trash** to delete the items saved to the clip tray.



### NOTES

- The clip tray may not be supported by some downloaded apps.
- Deleted items cannot be restored.

## Languages

You can set only one main language for your device's operating software, but you can set multiple secondary languages and switch as needed. In addition, you can set multiple languages used for the on-screen keyboard.



### To change the main language

- ▶ Tap  **Home** >  **Settings** > **System** > **Language & keyboard** > **Language** > **ADD LANGUAGE**. Tap the language of your choice. Touch and hold the language, then drag it to the top of the language list to make it your device's main language.


### NOTE



After adding additional secondary languages, drag any language to the top of the list to set it as your main language.

### To add additional languages for your keyboard



- ▶ Tap  **Home** >  **Settings** > **System** > **Language & keyboard** > **On-screen keyboard** > **LG Keyboard** > **Select languages** > checkmark all languages you want to use on the keyboard.

## Capturing a Screenshot

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

To view the captured image, tap  **Home** >  **Gallery** > the **Screenshots** album.

### Using Capture+ to capture a screenshot

On the screen you want to capture, drag the Status Bar downward and tap  **Capture+** (in the Quick settings). The image is captured, but not saved until you tap  **Done** and choose a location to save in.



Access the app (**QuickMemo+** or **Gallery**) in which you saved the captured image to view it.

**NOTE** Screenshots saved to the **Gallery** app are in the **Capture+** album.

## Content sharing

### Playing content from another device

You can play photos, videos or songs saved on your device from a TV.

1. Connect the TV and your device to the same Wi-Fi network.
2. While viewing an item in the **Gallery** or **Music** app, tap  **Play on other device** or  **Options** > **Play on other device**.
3. Select the TV you want to connect to.

**NOTE** Google Play services should be up to date in order to use Chromecast.

### Viewing content from nearby devices

You can view content from various devices, such as a computer, NAS or mobile device, by using the **Gallery** or **Music** app.

### Connecting the devices

Connect both your device and a device that supports DLNA function to the same wireless network.

**NOTE** Make sure that File sharing (DLNA) is activated on both devices.

## Searching for nearby devices



You can view a list of DLNA devices on the same network by selecting the **Nearby devices** menu in each app.




Use content from nearby devices as if you were using it on your device.

## Sending or receiving files

You can share files between your device and another LG device, or a tablet or computer.

### Sending files

From the **Gallery** or **File Manager** app, tap  **Options** > **Share** or  **Share**, then select a device on the file sharing list.

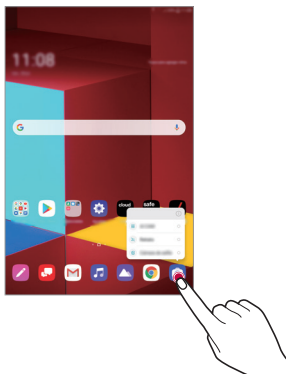
If your device does not support the file sharing feature, tap  **Home** >  **Settings** > **Connected devices** > **File sharing** >  **SmartShare Beam ON/OFF**.

#### NOTES

- Make sure that your device is connected to the same wireless network as the file transfer target device.
- Make sure that File sharing (DLNA) is activated on both devices.

## App Shortcuts

On the Home screen, touch and hold an app icon such as Call, Messaging, Camera, Gallery and Settings to display a quick access menu. Use apps more easily through App Shortcuts.



**NOTE** This feature is available only on some apps.





## Audio recording features

### Audio Recorder overview

The Audio Recorder feature allows you to configure the audio settings manually so that you can record audio based on your environment.

### Recording modes

You can record a high definition audio file by selecting and configuring the desired audio mode to suit the recording environment.

Tap  Home >  Essentials folder >  Audio Recorder >  Menu.

#### Normal

You can record audio without extra settings.

#### Concert








You can record audio in a concert or other music event.

#### Custom

You can manually personalize the settings to record audio.

### Studio Mode






With Studio mode, you can play an audio file or music and record your voice at the same time, create a chord by recording your voice multiple times, and record your comments over the presenter's or speaker's original audio file.

1. Tap  Home >  Essentials folder >  Audio Recorder >  Menu > Custom.
2. Tap  Studio mode.
3. Select an audio file to use as background music.
4. Tap  Record to record voice.
5. Tap  Stop to save the recorded file.

**NOTE** Background music can only be played through earphones. Make sure to plug in earphones before using this feature.

## Calculator

### Using your calculator


1. Tap  Home >  Essentials folder >  Calculator.
2. Tap the number buttons and the function buttons (+, -, × or ÷) as necessary. The result automatically appears as soon as sufficient calculation information is entered.
  - ▶ To delete the last input, tap  DEL. To clear the display, touch and hold  DEL.

## Camera

You can take a photo or record a video to cherish all of your memorable moments.

### Starting the camera

- ▶ Tap  Home >  Camera.

**TIP** With the backlight off, press the  Volume Down button twice to immediately activate the Camera app (when enabled in the Settings app).

- NOTES**
- Before taking a photo or recording a video, wipe the camera lens with a soft cloth.
  - Be careful not to stain the camera lens with your fingers or other foreign substance.
  - Images included in this user guide may be different from the actual device.
  - Photos and videos can be viewed or edited from the Gallery app. See [Gallery overview](#) for details.





### Changing the camera mode

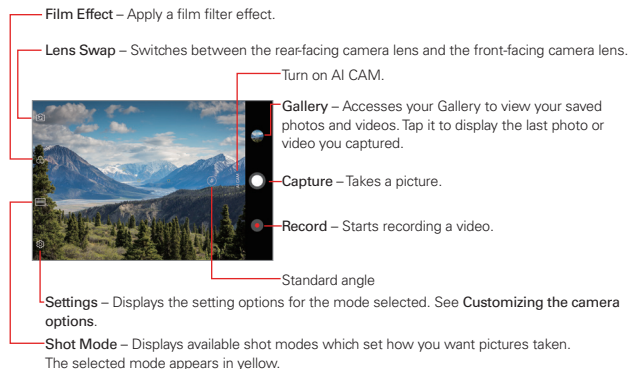
You can select a camera mode that suits your environment to take a photo or record a video easily and conveniently.

- Tap  Home >  Camera > MODE, then select the desired mode.

## Auto mode



You can select from a variety of camera modes and options to take your photos and record videos.



1. Tap  Home >  Camera.
2. Tap **MODE** > **Auto**.
3. To take a photo, tap  Capture. To record a video, tap  Record.










## Taking a photo

1. Select a camera mode and tap the subject to focus the camera on it.
2. Tap  **Capture** to take a photo.
  - ▶ You can also press  **Volume buttons** to take a photo.


**NOTE** When the screen is turned off or locked, start the camera by pressing the Power or Volume Down button twice. Tap  **Home** >  **Settings** > **Extensions** > **Shortcuts** and enable the **Open Camera** switch under **POWER** and/or **VOLUME**.

## Recording a video




1. Select a camera mode and tap the subject to focus the camera on it.
2. Tap  **Record**.
  - ▶ To take a photo while recording a video, tap  **Capture**.
  - ▶ To pause the recording, tap  **Pause**. To resume the recording, tap  **Record**.
3. Tap  **Stop** to end the video recording.

## Customizing the camera options

You can customize a variety of camera options to suit your preferences.

Tap  **Settings** on the camera screen.

**NOTE** Available options vary depending on the selected camera (front or back camera) and the selected camera mode.

- ▶ : Select values for aspect ratio and size for taking photos.
- ▶ : Select values for resolution and size for recording videos.
- ▶ : Set the timer to automatically take photos or record videos after a specified period of time.

HDR	Obtain photos in vivid colors and get compensated effects even when they are taken against the light. These functions are provided by the High Dynamic Range (HDR) technology equipped in the camera.
Shutter sound	You can turn on or off the camera shutter sound while taking a photo.
Cheese shutter	Take photos with voice commands.
Tag locations	Save the image with GPS location data.
Grid	Displays guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
Add signature	Displays a personalized signature on the photos.
Help	Provides help information for each camera menu.

### Additional options on the front camera

Selfie shot	Take a selfie by selecting its option between Gesture shot and Auto shot.
Save as flipped	Save as flipped images after taking selfies.

### Various camera modes

#### YouTube Live

You can record a video and directly upload to YouTube.







1. Tap  Home >  Camera.
2. Tap MODE >  YouTube Live.

#### NOTE

YouTube Live is available only when your device is connected to the Internet. If you use mobile data, you may be charged for data usage, depending on your pricing plan.






## Food

You can optimize the quality of your food photos or videos using the color slide bar and white balance.

1. Tap  Home >  Camera.
2. Tap **MODE** >  Food.
3. To take a photo, tap  **Capture**. To record a video, tap  **Record**.
  - ▶ Drag the color slide bar on the screen to adjust the white balance and select the best color.
  - ▶ If the slide bar is not displayed, tap  **White balance** to adjust the white balance.

## Panorama

You can create a panoramic photo by moving the camera in one direction to photograph and stitch continuous shots of a wide view.

1. Tap  Home >  Camera.
2. Tap **MODE** >  Panorama.
3. Tap  **Capture** and then slowly move the camera in one direction.
  - ▶ Move the device by following the direction of the arrow in the guideline.
4. Tap  **Stop** to stop capturing the panoramic.

## Selfie shot

You can use the front camera to view your face on the screen and take selfies. The camera settings allow you to configure the selfie shot settings.

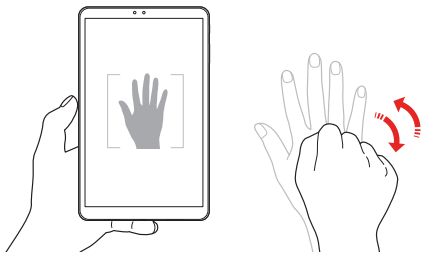
## Gesture shot

You can take selfies using gestures.


Show your palm to the front camera and then clench your fist.

You can also clench your fist and then open it towards the front camera.

► In three seconds, a photo is taken.



### NOTES

- To use this feature, switch to the front camera, then tap  **Settings** > **Selfie shot** > **Gesture shot**.
- Make sure that your palm and fist are completely within the recognition area so that the camera can detect them.
- This feature may not be available while using some of the camera features.

### Interval shot

You can take a series of selfies at an interval.


While using the front camera with Gesture shot enabled, you can show your palm to the camera, then clench your fist twice quickly.

- ▶ After a short timer delay, four photos are taken at about two-second intervals.

### Auto shot

You can use the face detection feature to take selfies easily and conveniently. You can set the device so that, when you look at the screen, the front camera detects your face and takes a selfie automatically.


- ▶ The white colored guide frame appears when the front camera detects your face. If the subject within the guide frame stops moving, the guide frame color turns yellow, then the camera takes a photo.

**NOTE** To use this feature, switch to the front camera, then tap  Settings > Selfie shot > Auto shot.

### Burst shot

You can take continuous shots to create an illusion of moving pictures.

With the Auto mode selected, touch and hold  Capture.

- ▶ Continuous shots are taken at a fast speed while  Capture is held down.

## Other useful features in the Camera app


### Auto-Exposure/Auto-Focus lock

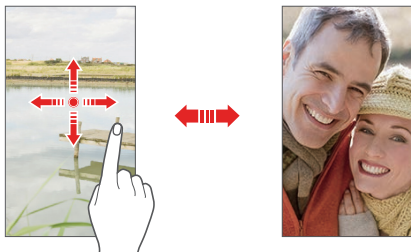
You can fix the current exposure level and focus position by touching the screen in the Auto mode. To turn off the feature, tap a blank area on the screen.



### Switching between cameras


You can switch between the front and rear cameras to suit your environment.

On the camera screen, tap  **Swap** or swipe the screen in any direction to switch between the front and back cameras.



## Zoom in or out

You can use zoom in or out on the camera screen while taking a photo or recording a video.






- ▶ On the camera screen, pinch or spread two fingers to zoom in or out, then use the displayed +/- slide bar.
- ▶ You can also drag  **Capture** up, down, left, or right (depending on the device's physical orientation). This feature is available only in Auto mode and Manual camera mode.


**NOTE** The zoom feature is not available when using the front camera.

## Clock

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





### Alarm

1. Tap  Home >  Essentials folder >  Clock > Alarm >  Add.
2. Set an alarm by tapping the hour or minutes and selecting the desired time on the clock graphic. Tap  Keypad to set the time using a keypad instead of the clock graphic. Tap **AM** or **PM** as necessary.
3. Set **Repeat**, **Alarm sound**, **Alarm volume**, **Alarm with vibration**, **Snooze duration**, **Alarm note**, and **Puzzle lock**.
4. Tap **SAVE**.

**NOTE** To access (and change) the alarm settings from the alarm list screen, tap the  Options, then tap **Settings**.

## World clock




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

1. Tap  Home >  Essentials folder >  Clock > World clock.
2. Tap  New City, search through the available cities, then tap the desired one.

**NOTE** A network connection is necessary to search for cities.




## Timer

The Timer can alert you with an audible signal when a set amount of time has passed.

1. Tap  Home >  Essentials folder >  Clock > Timer.
2. Set the desired time on the timer.
3. Tap **Start** to start the timer.
  - ▶ Tap **Pause** to pause the timer.
4. Tap **Stop** to stop the timer.

## Stopwatch

The Stopwatch allows you to use your device as a stopwatch.

1. Tap  Home >  Essentials folder >  Clock > Stopwatch.
2. Tap **Start** to initiate the stopwatch.
  - ▶ Tap **Lap** to record lap times.
3. Tap **Pause** to suspend the stopwatch.
  - ▶ To resume the stopwatch, tap **Resume**.
  - ▶ To clear all the records and reset the stopwatch, tap **Reset**.






## Contacts

The Contacts app allows you to store names, phone numbers, and other information in your device's memory. Entries are listed alphabetically. You can scroll through the list or select the Groups tab.

Use the Contacts app to add, view, and communicate with your friends, acquaintances, and associates.




### To open your Contacts app

- ▶ Tap  Home >  Essentials folder >  Contacts.

**NOTE** You can also tap the **Contacts** tab from the **Device** app.

If you don't have any contacts in your Google Account or on your SIM card, hints will be displayed to help you start adding contacts to your device.





### To search for a contact

1. Tap  Home >  Essentials folder >  Contacts.
2. Tap the **Search contacts** box and enter the contact name. Matches are displayed as you begin to type.

### Searching your online contacts simultaneously

You can search for your contacts simultaneously from all of your online accounts.


To set your device to search simultaneously,

1. Tap  Home >  Essentials folder >  Contacts.
2. Tap  Options > **Contacts settings** > **Online search**.





### To open your groups list

- ▶ Open the **Contacts** app and tap **Groups**.

**Groups** displays your contacts by category (at the top of the screen) and your accounts (at the bottom of the screen).

**NOTE** Tap  Options from the **Groups** to access **Delete**, **Share**, **Change order**, **Default screen**, **Contacts settings**, and **Help**.

### To view details about a contact





1. Tap  Home >  Essentials folder >  Contacts.
2. Tap the contact whose details you want to view.
3. The information you entered for the contact is displayed. The following options are available (depending on the types of information saved).
  - ▶  Options accesses the following menu options: **Merge**, **Back up**.

### Adding Contacts


You can add contacts on your device and synchronize them with the contacts in your Google™ Account, Microsoft Exchange account, or other accounts that support syncing contacts.


Since your contacts can come from a variety of sources, the Contacts app attempts to merge new information with existing similar contact entries to create a single entry. You can also manually merge or separate entries.

### To add a new contact





1. Tap  Home >  Essentials folder >  Contacts.
2. Tap  New contact.
3. Tap the Accounts field to select an account in which you want to save the contact, if necessary.

**NOTE** To change the account later, edit the entry, tap the account, then tap the desired account.

4. Enter the contact's name.
5. Tap a desired category, such as phone number or email address, to enter details about the contact.
  - ▶ Tap  Add under a category to add more than one entry for that category. For example, in the phone number category, enter a work number and add a home number. Tap the label field to the right of the entered information to open a drop-down menu of preset labels. For example, **Home**, **Work** or **Other** for a phone number.
  - ▶ Tap **More** to add additional fields.

6. Personalize the contact entry.
  - ▶ Set the group this contact belongs in.
  - ▶ Set a ringtone to identify calls from this contact.
  - ▶ Set a message alert sound to identify notifications from this contact.
  - ▶ Tap  **Image** to select a picture to identify the contact.
7. When you're finished, tap **SAVE**.



### Editing a Contacts entry





1. Tap  **Home** >  **Essentials** folder >  **Contacts**, and then tap the contact entry you want to edit.
2. Tap  **Edit**.
3. Edit the entry as needed, then tap **SAVE**.

## Gallery

### Gallery overview

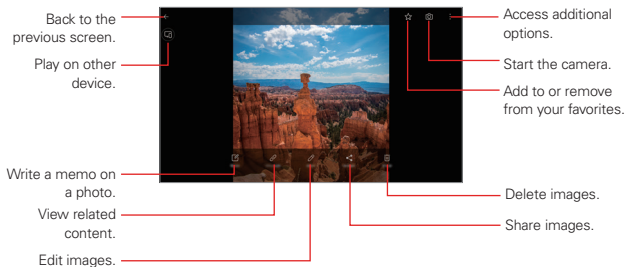
You can view and manage photos and videos that are saved on your device.

1. Tap  **Home** >  **Gallery**.
  - ▶ Saved photos and videos are displayed by folder.
2. Tap a folder and select a file.
  - ▶ View the selected file in full-screen mode.
  - ▶ While viewing a photo, swipe left or right to view the previous or next photo.
  - ▶ While viewing a video, swipe left or right to rewind or fast-forward the video.
  - ▶ When you take a photo by using the AI CAM feature, a Tags folder is created under the Albums tab of the Gallery app. The photos are automatically classified by tags under the Tags folder.

- ▶ You can view the photos or videos organized by year, month or day in the Photos tab.
- ▶ To view photos by location at which the photo was taken, tap  Home >  Camera >  Setting > Tag locations, then tap  ON/OFF. The photos are automatically grouped by location under the Memories tab of the Gallery app.

**NOTES**

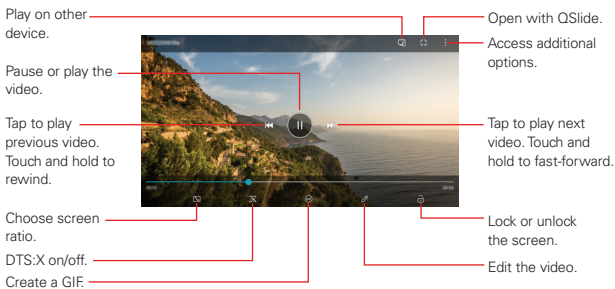
- Some file formats may not be supported, depending on the installed software.
- Some files may not open due to encoding.
- Files that exceed the size limit may cause an error.
- You need to activate the GPS feature to create contents in Memories.

**Viewing photos****NOTE**

To display the menu items, gently tap the screen. To hide the menu items, tap the screen again.

## Playing a video


Select a video from an album in your Gallery. Playing it using the Videos app provides the following options.

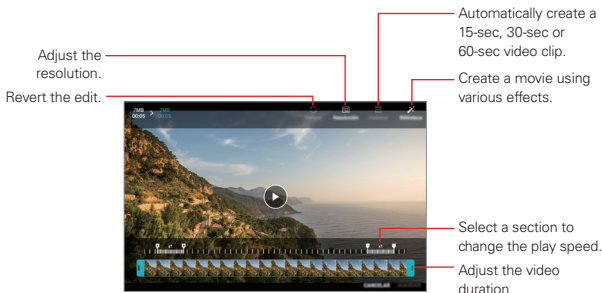


### NOTES

- To adjust the sound volume, drag the right side of the video screen up or down.
- To adjust the screen brightness, drag the left side of the video screen up or down.

## Editing videos

1. While viewing a video, tap  Edit.
2. Use a variety of effects and edit tools to edit the video.





3. Tap **SAVE** to save changes.

## Creating a video

You can create a new video by putting images and videos together.




## Related files

You can relate files with photos and videos taken at the same place or on the same date.

1. Select one of the saved photos and videos and tap  **Related**.
2. Select a desired folder, then tap  **Play** to create a video.
3. Tap **SAVE** to save the video.



## Deleting files

You can delete files by using one of the following options:

- ▶ Touch and hold a file from the file list, then tap **Delete**.
- ▶ Tap  **Delete** in an album, select files you want to delete, then tap **DELETE**.
- ▶ Deleted files are automatically moved to Trash and they can be restored to Gallery within 7 days.
- ▶ In Gallery, tap  **Option** > **Trash**. Tap  **Delete** to permanently delete the files. In this case, the files cannot be restored.

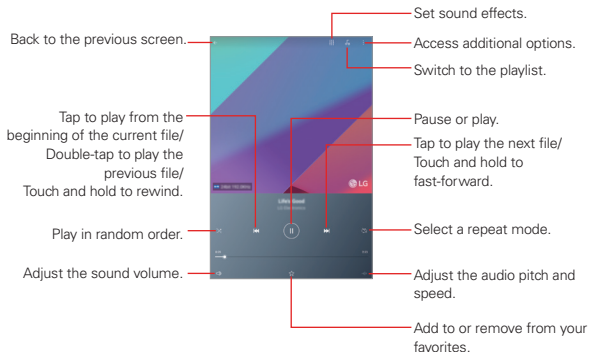
## Sharing files

You can share a file using one of the following options:

- ▶ On the photo or video screen, tap  **Share** to share the file using the desired method.
- ▶ Tap  **Share** from the Albums screen to select one or more files and share using the desired method.

## Music

You can play and manage songs or music albums. To access the Music player, tap **Home** > **Music**.



### Playing a song

1. Tap **Home** > **Music**.
2. Select a category.
3. Tap the song you want to play.

#### NOTES

- Some file formats may not be supported, depending on the installed software.
- Files that exceed the size limit may cause an error.
- Music files may be protected by international copyright owners or copyright laws. You may have to obtain legal permission before copying a music file. To download or copy a music file, first check the copyright law for the relevant country.

### Exiting the Music player

To exit the Music player, swipe the Status Bar downward, then tap **Close** in the upper-right corner of the Music notification.

#### NOTE

When you select Caller ringtones, tap a desired contact to set it.

## Google Apps

To use Google apps, a Google Account needs to be registered in your device first. The Google Account registration window appears automatically when you use a Google app for the first time (if you didn't register your account when you initially set up your device). If you do not have a Google Account, create one from your device. For details on how to use an app, refer to the Help section in the app.

### Drive

Upload, save, open, share, and organize files from your device. Files accessible from apps can be accessed from anywhere, including online and offline environments.

### Docs

Docs is a collaborative, word-processing tool that enhances productivity. Use Docs to create, edit and work together in real-time.

### Maps

Find your location or the location of a specific place on a map. View geographical, traffic, or transit information. Get directions to destinations.

### Photos

View or share photos or albums saved on your device. Edit or enhance your photos.

### Duo

Make a video call with your family, friends and anyone else who uses the app.

### Chrome

Sign in to Chrome and import opened tabs, bookmarks, and address bar data from a computer to your device.

### Gmail

Register your Google email account in your device to check or send email.



### Play Movies & TV

Use your Google Account to rent or purchase movies. Purchased contents can be played anywhere.

### YouTube

Search for and play videos. Upload videos on YouTube to share them with people around the world.

### YT Music

Play music files saved on your device.

### Sheets

Sheets is a collaborative spreadsheet processing tool that enhances productivity. Use Sheets to import, organize and analyze information together in real-time.

### Slides

Google Slides is a collaborative presentation creation tool that enhances productivity. Use Slides to organize information, present results, and make decisions together in real-time.

### Google

Use Google to search for web pages, images, news and more by entering or speaking keywords.

### Files

Helps you free up space on your device, browser files and share files offline.

### Calendar


You can use the calendar to manage events and tasks.


## Settings

The **Settings** app allows you to customize and personalize your device by setting how its screens look, how it notifies you, how it reacts, and a lot more.

**NOTE** Settings that are specific to an app are accessed through its own Settings menu within the app. For example, the Chrome app has settings specific to your Internet access.

### To open the Settings app

▶ Tap  Home >  Settings.

**TIP** The upper-right corner of the Notifications panel also has a  **Settings** icon that you can tap to open the **Settings** app.

## Network & internet

The Network & internet category allows you to configure and manage your device's wireless radio communications.

### Airplane mode

Tap its  switch to toggle it ON or OFF. On disables all wireless connections.





### 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 device 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 device 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. Tap  Home >  Settings > Network & internet > Wi-Fi.
2. Tap  Wi-Fi ON/OFF to turn Wi-Fi on and start scanning for available Wi-Fi networks.
3. Tap  to see a list of active and in-range Wi-Fi networks.
  - ▶ Secured networks are indicated by a lock icon.
4. Tap a network to connect to it.
  - ▶ If the network is secured, you're 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.

### Wi-Fi network settings

Allows you to set up many of your device's Wi-Fi services.

 **Options** Accesses the Wi-Fi options menu.

**Add Wi-Fi** Allows you to manually add a Wi-Fi network by entering its name (SSID), security, and password.

**Saved Wi-Fi** Displays your saved Wi-Fi networks allowing you to manage them.

**Advanced Wi-Fi** Provides additional specific Wi-Fi connection settings.

### NOTIFICATIONS

**Wi-Fi notification** Enable this option to be notified when Wi-Fi networks are available nearby.

**Show Wi-Fi pop-up** Enable this option to be notified when a Wi-Fi network is available when you launch an app.

### USEFUL SETTINGS

**Avoid bad Wi-Fi connections** Enable this option to use the mobile network whenever the Wi-Fi network you're connected to doesn't have an Internet connection. (Data usage may apply.)

## CONNECTION

**Wi-Fi Direct** Allows you to connect with Wi-Fi devices without any access point.

## PERSONAL

**Install certificates** Allows you to install certificates from storage.

## INFORMATION

**MAC address** Displays your device's MAC address (which may need to be entered in the router to connect to some wireless networks with MAC filters).

**IP address** Displays your device's IP address.

### Wi-Fi Direct


You can connect your device to other devices that support Wi-Fi Direct to share data directly with them. You do not need an access point. You can connect with more than two devices by using Wi-Fi Direct.

1. On the settings screen, tap **Wi-Fi** > **⋮ Options** > **Advanced Wi-Fi** > **Wi-Fi Direct**.
  - ▶ Nearby devices that support Wi-Fi Direct automatically appear.
2. Select a device.
  - ▶ Connection occurs when the device accepts the connection request.

### Tethering & Mobile Hotspot

You can set the device as a wireless router so that other devices can connect to the Internet by using your device's mobile data.

#### Mobile Hotspot

1. On the Tethering & Mobile Hotspot screen, tap **Mobile Hotspot** and then tap the  switch to toggle it ON or OFF.
2. Tap **Set up Mobile Hotspot**, and enter the Wi-Fi name (SSID) and password.
3. Turn on Wi-Fi on the other device, and select the name of the device network on the Wi-Fi list.

4. Enter your device's Mobile hotspot password on the target device.

- NOTES**
- This option uses mobile data and may incur data usage fees, depending on your pricing plan. Consult with your service provider for more information.
  - More information is available at this web site: <http://www.android.com/tether#wifi>

**Set up Mobile Hotspot** Allows you to enter the SSID and security information for your mobile hotspot.

**Manage connections** Allows you to control which devices are allowed to use your device as a hotspot.

**Timeout** Allows you to set when to turn off your hotspot.

## CONNECTED DEVICES

Displays all connected devices.

- NOTE** Tap  **Options** to access mobile hotspot tips and help.

**USB tethering** Enable this option to allow you to connect via USB. This option is gray when not connected via USB.

**Bluetooth tethering** Enable this option to share the device's Internet connection with other Bluetooth devices.

**Help** Displays help information regarding connecting other devices to your device's Internet connection.

## Data usage

**Mobile data** Enable this option to allow connection to the mobile network. This switch allows you to manage your mobile data usage (e.g., disconnect from the mobile network to stop using mobile data and exclusively use a Wi-Fi network connection for data instead).

**Limit mobile data usage** Enable this option so you can set the amount of data that can be used during your cycle date. When that amount is reached, your mobile data network connection will be disabled.

**Alert me about data usage** Enable this option so you can set the amount of data usage that will trigger an alert.

**Cycle date** The date displayed is your current data usage cycle. Tap it to change it.

**Graph** Displays a visual of your data usage. Limit lines are displayed if the data usage switches are enabled.

**Apps list** All of the apps that use data are listed.

⋮ **Options** Accesses the Data usage options menu.

**Display in MB/GB** Changes the data usage units.

**Data Saver** Allows you to enable the **Data saver** option which restricts the data that runs in the background. You can set individual apps to have unrestricted data access when Data saver is enabled.

**Show Wi-Fi usage** Checkmark this option to display a Wi-Fi tab (in addition to the Mobile tab) to view your Wi-Fi data usage.

**Metered Wi-Fi networks** Allows you to select Wi-Fi networks to restrict apps that run in the background and be notified when downloading large files.

**Mobile networks** Allows you to set various mobile network settings.

## View Verizon Account

Allows you to view details in your Verizon account.

## Mobile networks

Allows you to set various mobile network settings.

**Data roaming** Allows you to set when to allow data roaming.

**Network operators** Search for network operators and connect automatically to a network.

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

**Access Point Names** Allows you to set up APNs for data service.

**Roaming state** Displays your current roaming state.

## VPN

Allows you to set up VPNs (Virtual Private Networks). Choose **Basic VPN** or **LG VPN**.

**NOTE** Tap ⋮ **Options** from the LG VPN screen to access **Log**, **Settings**, **Import certificates**, **Delete all**, and **About**.

## Private DNS

Allows you to use private DNS mode.





## Connected devices

### Bluetooth

You can connect your device to nearby devices that support Bluetooth to exchange data with them. Connect your device to a Bluetooth headset and a keyboard. This makes it easier to control the device.

#### Pairing with another device

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

1. Tap  Home >  Settings > Connected devices > Bluetooth.
2. Tap  Bluetooth ON/OFF to turn Bluetooth on and search for the devices within your device's range.
  - ▶ Available devices appear automatically.
  - ▶ To refresh the device list, tap .
3. Choose the device you want to pair with from the list.
4. Follow the on-screen instructions to perform authentication.

**NOTE** Only devices set as visible are displayed on the list.

**NOTE** This step is skipped for previously accessed devices.

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

#### Sending data via Bluetooth

1. Open the item you want to send, then tap  Share.

OR

Touch and hold the item you want to send, then select **Share**.

OR




Open the item you want to send, then tap  Options > **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.

## Receiving data via Bluetooth

1. Tap  Home >  Settings > Connected devices > Bluetooth.
2. Tap  Bluetooth ON/OFF to turn Bluetooth on.
3. Tap **ACCEPT** when you receive a data request.

## Screen sharing

Allows you to project your device's content on a compatible TV.

Tap  Screen sharing ON/OFF to toggle it On or Off.

**G Pad 5 10.1 FHD** Allows you to change your device's name to easily identify it.

### AVAILABLE DEVICES

Displays all of the devices that can project your content via Miracast.

**Search** Refreshes the available devices list.

**Help** Displays information regarding how to use Miracast.

## Sharing panel

Allows you to share contents with nearby devices or specific people.

## File sharing

Allows you to send and receive files between your device and other LG devices or tablets.

**G Pad 5 10.1 FHD** Allows you to change your device's name for easy identification when setting up your devices for beaming.

**Save to** Allows you to set where to save your shared files.

**File sharing** Enable this option to make your device visible to BLE devices and exchange files.

**SmartShare Beam** Enable this option to receive multimedia content via SmartShare Beam from another LG phone or tablet.

**Help** Displays information regarding how to use file sharing.



### **Media server**

Allows you to share the device's multimedia content with nearby DLNA-compatible devices.

**Content sharing** Enable this option to allow nearby devices to access your content.

#### **YOUR DEVICE**

**G Pad 5 10.1 FHD** Allows you to change your device's name to easily identify it.

**Content to share** Allows you to set the type of content you want to share between devices.

#### **NEARBY DEVICES**

**Allowed devices** Displays the nearby devices that can access your device.

**Not-allowed devices** Displays the nearby devices that will be denied to access your device.

### **Printing**

Allows you to set up wireless printer(s).

#### **PRINT SERVICES**

Displays the list of your available print apps.

## Sound

### Sound profile

Allows you to set your device's sound profile to Sound, Vibrate only, or Silent.

### Volume

Allows you to set individual volume levels for ringtone, notifications, touch feedback, and other media.

### Notification sound

Allows you to select a sound effect for new notifications. You can also add and delete notification sounds.

### Do not disturb

Enable this option to allow you to set up and schedule when to prevent interruptions from notifications. You can set specific parameters that will override the option when set to Priority only.

### Sound quality and effects

Use the function to set the sound quality and effects while playing a song or video.

## VIBRATION

**Vibrate on tap** Enable this option to feel a vibration when you tap the Home touch buttons or app icons.

## SOUND EFFECTS

Allows you to set when a sound is emitted to notify you of an event. Enable **LG Keyboard sound**, **Touch sound**, **Screen lock sound**, and **Sound when roaming**.

## Display

### Home screen

#### GENERAL

**Select Home** Allows you to set the layout for the Home screen. You can choose the standard Home layout that displays all apps on the Home screen, or a layout that stores all installed apps separately which allows you to selectively set app shortcuts on your Home with separate apps list, or EasyHome a simple layout with a large font size.

#### STYLE

**Wallpaper** Select a desired screen wallpaper for your device.

**Screen swipe effect** Allows you to set the effect shown when you swipe to change screens.

**Icon shape** Allows you to choose the desired icon shapes on the Home screen.

#### LAYOUT

**Sort apps by** Allows you to set how to sort the apps on your Home screen (either alphabetically or by download date).

**Hide apps** Allows you to selectively hide apps from the Home screen.

**Loop Home screen** Enable to allow continuous Home screen scrolling (loop back to the first screen after the last screen).

**Search** Allows you to search by swiping down on the Home screen.

**Home screen lock** Enable this option to prevent apps and widgets from being rearranged or removed.

#### TIPS

**Help** Displays information regarding the Home screen items and functions.

## Wallpaper

Select a screen wallpaper for your device.

## Font

**Size** Allows you to set the size of the font used for the device software.

**Bold text** Enable this option to bold the text on the screen.

**TYPE** Allows you to set the font used for the device software.

## Home touch buttons

Allows you to set the buttons displayed at the bottom of all screens, including color and placement.

## Display size

Allows you to set the size for the items and text viewed on screens without dynamic zoom capability.

## Comfort view

Enable this option to set a blue light filter to reduce eye strain. Once enabled, set the level to your preference.

## Brightness

Allows you to set the brightness for the screen or you can enable the automatic setting.

## Auto-rotate screen

Enable this option to allow the screen to rotate automatically based on its orientation.

## Screen timeout

Allows you to set the amount of time before the screen times out due to inactivity to conserve your power.

## Screen saver

Enable this option to display a screen saver when the device is connected to a holder or charger. Tap **Screen saver** to select a screen saver type to display.

## Lock screen & security

### SECURITY STATUS

#### Google Play Protect

Check the device periodically for potentially harmful apps.

#### Find My Device

Allows you to remotely track the device location. You can also save your data securely if you lose your device.

#### Security update

**Check for new system update** Allows you to check for any available updates for your device.

**Automatic security updates** Allows you to install security updates automatically.

**Show system update history** Allows you to view your system update history.

**Use Software Upgrade Assistant** Displays information regarding how to use system updates.

**SYSTEM UPDATE STATUS** Displays your last update information.

### LOCK SCREEN

**Select screen lock** Allows you to set a screen lock to secure your device from unintentional and/or unauthorized use.

#### Customize Lock screen

**Wallpaper** Allows you to set the background for your Lock screen.

**Clock** Allows you to set where to position the clock on the Lock screen.

**Shortcuts** Allows you to choose apps to run on your Lock screen. This setting appears only when a screen lock is set.

**Contact info for lost tablet** Allows you to set text to be displayed on the Lock screen to identify the device's owner.

## Secure lock settings

**Make pattern visible** (shown only when Pattern is set as a screen lock): Turn on to make pattern visible.

**Lock timer** Allows you to set the amount of time before the screen automatically locks after the backlight turns off (time-out due to inactivity).

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

**Smart Lock** Allows you to set trusted devices, places, voice, and/or on-body detection that will allow your device to remain unlocked.

## BIOMETRICS

**Fingerprints** Allows you to set up fingerprint impressions that will unlock your device's screen, allow access to content, and/or allow you to pay using your device.

## PRIVACY

**Content lock** Allows you to set a lock type (PIN or pattern) for your QuickMemo+ and Gallery files.

### Location

Tap the switch at the top of its screen to toggle it On or Off. On enables sharing your location when you search for information and use location-based apps, such as Maps.

**Scanning** Allows you to enable Wi-Fi scanning and/or Bluetooth scanning even when those features are set to off.

**App-level permissions** Allows you to set permissions for each app.

### RECENT LOCATION REQUEST

Displays all of the apps that have requested access to your location. Tap one to view details.

## LOCATION SERVICES

**Emergency Location Service** Enable this option to allow you to use Google ELS when you contact an emergency number, if ELS is supported in your region.

**Google Location Accuracy** Enable this option to improve location accuracy.

**Google Location History** Allows you to enable or disable Location History. When enabled, Google periodically stores and uses your device's most recent location data in connection with your Google Account.

From the Location History screen, tap **⋮ Options** to view and/or manage your location data.

**Google Location Sharing** Allows you to share real-time locations (using Location History) with selected people and devices.

## ADVANCED

### Encryption & credentials

#### ENCRYPTION

**Encrypt SD card** Allows you to encrypt or decrypt an external microSD card data. Encrypted data is not accessible on other devices.

**Secure start-up** Enable this option to immediately lock the screen when you turn on the device to help keep it secure. Unlock the screen by entering the current unlock method, such as a Knock Code, Pattern, Password, or PIN. Until the screen is unlocked, you cannot receive most alarms, notifications, and more.

- NOTES**
- If the password is entered incorrectly more than a specific number of times, the device will automatically factory reset. Be sure to remember the password.
  - If you forget your decryption password, you must factory reset the device to use it again. Resetting will delete all of the user data saved before the reset.

## CREDENTIAL STORAGE

**Credential protection** Displays the current storage type.

**Trusted credentials** Shows system root CA certificates and user added CA certificates.

**User credentials** Allows you to view and modify stored secure certificates.

**Install from storage** Allows you to install a secure certificate from storage.

**Clear credentials** Allows you to delete user added secure certificates and related credentials.

**Set up SIM card lock** Lock or unlock the USIM card, or change the password (PIN).

**Make passwords visible** Enable this option to briefly show each character of the password as you type it so you can see what you've entered.

**Tablet administrators** Allows you to view and selectively disable device administrators.

**Trust agents** Allows you to view and selectively disable Trust agents.

**Screen pin** Allows you to selectively pin an app to your screen. Enable this option to be able to designate only a single app that can be used until you unpin it. This is helpful when allowing children to use your device.

**Usage access** Allows you to enable or disable the apps that can view your device's app usage.



## Extensions

### Smart cleaning

Displays the space in use and free space in your device and allows you to selectively clean up your files.

### Gaming

You can configure settings for game tools, screen resolutions and battery saving feature.

**Game tools** Tap  **ON/OFF** to activate this feature. You can launch this feature by tapping the game tool icon at the bottom of the screen while playing games.

**Game graphics** Adjust the game resolutions.

**NOTE** When you change the resolutions on some games, the screen display feature may not work properly.


**Break time** Allows you to set the screen brightness and performance to apply when you leave the device idle for longer than 5 minutes.

### Screen recording

You can configure the settings for screen recording.

1. On the settings screen, tap **Extensions > Screen recording**.
2. Customize the following settings:

**Include yourself in video by** Select one from the following options and tap **SAVE**.

**Image** Includes your profile image in video when recording. After selecting this, tap  **Select a photo** to take a photo or select a profile image from Gallery. Then, adjust the size of the image as desired.



**Front camera** Includes yourself recorded using the front camera while recording the screen.

**Never** Nothing is included.

**Audio source** Choose the audio source between **Mic** and **Contents**.

**Video resolution** Select the resolution for screen recording.

### To record the screen:

1. Drag the status bar downward to open the Quick access icons list.
2. (If necessary, swipe left over the Quick access icons area.) Tap  **Screen recording**.
3. Read the disclaimer and tap **START**. It will start recording in 3 seconds.
4. To stop recording, tap  **Stop** located at the bottom right of the screen. The recorded video will be saved in Gallery.

### Dual App

You can use some apps with two accounts.

1. On the settings screen, tap **Extensions > Dual App**.
2. After reading the disclaimer, tap **CONFIRM**.
3. In the list of available apps, tap **Install** to install a copy of a desired app and follow the on-screen instructions.

### Shortcuts

You can customize the shortcut keys settings.

**Open Camera:** Press the Power key twice to open Camera.

**Open Capture+:** Press the Volume Up key twice to open Capture+ when the screen is locked or off.

**Open Camera:** Press the Volume Down key twice to open Camera when the screen is locked or off.

### KnockON

Enable this option to turn the screen on or off by tapping the screen twice.

## Apps & notifications

Allows you to set notifications for individual apps including preventing them from displaying notifications, setting priority, hiding sensitive content, allowing peeking, and more.

## Battery

The current percentage of remaining battery power and the charging status (when charging) are displayed.

### Battery usage

Displays battery usage information including a graph and app usage details.

### Battery percentage on Status Bar

Enable this option to display the battery level as a percentage on the Status Bar next to the battery icon.


### Adaptive battery

Allows you to save the battery by stopping apps running in the background.

### Background restrictions

Enable this option to restrict background apps to save the battery while using the device. Restricted apps for power saving may not work properly or may not send you notifications.

### Battery saver

Reduce battery consumption by cutting down some device settings, such as the display brightness, speed and vibration intensity. The status bar displays  when power saving mode is on.

### Power saving exclusions

Select apps to use without any functional limitation while in power saving or battery optimization mode.

## APP USAGE

Displays battery usage information for each app.

## Storage


### DEVICE

Displays the total amount of space used and the available space in your device's memory in text and as a bar graph (unused space is gray). Tap **Internal storage** to see your apps and the amount of space they use.

### EXTERNAL

**SD card** Displays the amount of space used and the total available space in your memory card. Tap **SD card** to view the data stored on it.

 Allows you to eject (unmount) your microSD card.

To format the memory card, tap **SD card** >  **Options** > **Storage settings** > **Format**.

## Accounts

**Auto-sync accounts** Enable this option to automatically sync all accounts you've added on your device.

### ACCOUNTS

Displays all of your added accounts. Tap one to view and/or manage (e.g., change details, access, sync settings, etc.) it.

**Add account** Allows you to add accounts to your device.

## Accessibility

### TYPE

**Vision** Sets options for people with impaired sight.

**TalkBack** Enable this option to hear verbal feedback when you tap the screen. To select an item, tap it, then double-tap it. To scroll, use three fingers to swipe across the screen. Tap **TalkBack** to access and adjust the TalkBack settings.

**Font** Allows you to set the size and the type of the screen text.

**Display size** Allows you to set the size for displayed screen items (e.g., icons, text, etc.). Changing the size may affect the item's position on the screen.

**Touch zoom** Enable this option to allow you to triple-tap the screen to zoom in and out.

**Window zoom** Enable this option to activate a magnifying window. Use two fingers to drag it to other positions on the screen. When activated, you can zoom in or out within the window and set the window's color inversion. Tap **Window zoom** to view information and adjust its settings.

**Large mouse pointer** Enable this option to increase the size of the mouse pointer.

**Screen color inversion** Enable this option to invert the screen colors for higher contrast.

**Screen color adjustment** Enable this option to allow you to adjust the screen's hue and contrast. Tap **Screen color adjustment** to adjust it.

**Monochrome** Enable this option to switch the screen to Monochrome mode.

**Hearing** Sets options for people with impaired hearing.

**Captions** Enable this option to allow your device to display caption text. Tap **Captions** to access and adjust its settings.

**Mute all sounds** Enable this option to silence all device sounds and lower the volume from the earpiece.

**Audio channel** Allows you to set the audio type.

**Sound balance** Move the slider on the bar to set the sound balance between the left and right channel.

**Dexterity and interaction** Sets options for people with impaired motor skills.

## DEXTERITY

**Touch assistant** Turn on the touch board to make buttons and gestures easier to use.

**Touch input** Set the desired delay time for touching and holding, or adjust the touch input to ignore repeated taps.

**Touch and hold delay** Allows you to set how long you need to touch an item before the device reacts.

**Ignore repeated taps** Allows you to set how the device interprets your tap action.

**Physical keyboard** Allows you to customize specified key settings.

**Key repeat** Enable this option to set how the device reacts when a key is held. Tap **Key repeat** to set the delay before the key entry will be repeated and the key repeat interval.

**Sticky keys** Enable this option to allow you to press modifier keys without having to press and hold.

**Sticky keys shortcut** Enable this option to enable the Shift button as a shortcut to Sticky keys.

**Slow keys** Enable this option to set a delay time before input is displayed.

**Auto mouse click** Enable this option to automatically activate the cursor where the pointer stops. Tap **Auto mouse click** to set its delay time.

**Screen timeout** Allows you to set the amount of time before the backlight turns off automatically.

## INTERACTION

**Touch control areas** Enable this option to allow you to restrict access to a specified portion of the screen.

## GENERAL

**Accessibility features shortcut** Enable this option to allow a quick and easy access to selected features when you triple-tap **Home**. Tap **Accessibility features shortcut** to select the desired features.

**Auto-rotate screen** Enable this option to automatically rotate the screen based on the device's orientation.

## SERVICES

**Select to Speak** Allows you to tap items to hear spoken feedback.

**Switch Access** Tap the switch at the top of its screen to toggle it ON or OFF. On allows you to use the switch for selected features. Tap **OK**, then tap **SETTINGS** to set it up.

**Digital Secure** Tap the switch at the top of its screen to toggle it On or Off. On allows you to enable Digital Secure to observe the apps your device uses to protect against web threats.

**My Verizon Guided Navigation** When Assistive touch service is active, your device provides access to read the elements present on the screen. This is used by the My Verizon app to provide assistive tutorials to navigate.

## Digital Wellbeing & parental controls

You can get an overview of your device usage, set a timer for each app, and manage the screen time and notifications.

You can also set up parental controls. On the settings screen, tap **Digital Wellbeing & parental controls** and set the desired function.

## Google

Allows you to manage your Google apps and account settings.

## System

The System category allows you to view and manage various system settings.

### User guide

You can view the User guide on your device.

### Language & keyboard

**Language** Allows you to set a main language for your device's operating software and also add other languages.

**Default** Displays the name of the current keyboard. Tap to change it.

**On-screen keyboard** Allows you to customize the LG keyboard settings or voice recognition feature by Google Voice.

**Physical keyboard** Allows you to set the physical keyboard, or check keyboard shortcut keys.

**Autofill service** Enable this option to enter your information saved in your account such as password, address, or credit card number with a single tap. You can also disable this option, use the Google Autocomplete feature, or add a new service account.

**Text-to-speech output** Allows you to set the preferred speech engine, speech rate, and pitch change. You can listen to an example and view the default language status.

**Pointer speed** Allows you to set the pointer speed on a slide bar.

**Reverse mouse buttons** Enable this option to reverse the mouse buttons to use the primary button on the right.



## Date & time

### BASIC

Enable the **Set automatically** option or tap **Set date** and/or **Set time** to use a date/time other than the one provided by the network. Tap **Select time zone** to use a time zone other than the one provided by the network.

### TIME FORMAT

**Use 24-hour format** Enable this option to display the time using the 24-hour format (e.g., 13:00 instead of 1:00 PM).

## Memory

You can view the average amount of memory usage over a certain period of time and the memory occupied by an app.

1. On the settings screen, tap **System** > **Memory**.
2. Tap ▼ to set a time slot to retrieve data.

## Backup

### LG MOBILE SWITCH & BACKUP

**LG Mobile Switch** Allows you to copy data from a previous device to a new device. You can transfer data using a USB cable, wireless network, and SD card.

- NOTES**
- Data in a Google account will not be backed up. When you synchronize your Google account, Google apps, Google contacts, Google calendar, Google memo app data and apps downloaded from Play Store are stored on the Drive app automatically.
  - Fully charge the battery before transferring data to avoid unintentional powering off during the process.

**Backup & restore** Allows you to back up your data to internal storage or SD card. You can also restore your data from a previous backup.

- WARNING!** Resetting your device may delete backup files saved in storage. Make sure to copy and store the important backup files to your PC.

### GOOGLE BACKUP

**Google backup** You can choose to back up to your Google Drive.

## Restart & reset

### RESTART

**Auto-restart** Automatically restart to optimize the device at a set time.

### RESET

**Network settings reset** Reset Wi-Fi, Bluetooth and other network settings.

**Reset app preferences** Reset the settings for an app. The data saved in the app will not be deleted.

**Reset settings** Reset system settings back to default.

**Factory data reset** Reset all settings for the device and delete data.

## About tablet

View information about your tablet including **Tablet name**, **Network**, **Status**, **Battery**, **Hardware info**, **Software info**, and **Legal info**.

## Regulatory & safety

You can view regulatory marks and related information on your device.

On the settings screen, tap **System > Regulatory & safety**.

## System updates

From time to time, updates may become available for your device. You can download and apply updates through the Settings menu.

## Device software update

### LG Mobile device software update from the Internet

For more information about using this function, please visit <http://www.lg.com/common/index.jsp>, select your country and language.

This feature allows you to conveniently update the firmware on your device to a newer version from the Internet without needing to visit a service center. This feature will only be available if and when LG makes a newer firmware version available for your device.

Because the mobile device firmware update requires the user's full attention for the duration of the update process, please make sure you check all instructions and notes that appear at each step before proceeding. Please note that removing the USB cable during the upgrade may seriously damage your mobile device.

**NOTE**

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

## Anti-Theft Guide

You can set up your device to prevent other people from using it if it's been reset to factory settings without your permission. For example, if your device is lost, stolen, or wiped, only someone with your Google account or screen lock information can use the device.

All you need to make sure your device is protected is:

- ▶ **Set a screen lock:** If your device is lost or stolen but you have a screen lock set, the device can't be erased using the Settings menu unless your screen is unlocked.
- ▶ **Add your Google account on your device:** If your device is wiped but you have your Google account on it, the device can't finish the setup process until your Google account information is entered again.

After your device is protected, you'll need to either unlock your screen or enter your Google account password if you need to do a factory reset. This ensures that you or someone you trust is doing the reset.

**NOTE**

Do not forget the Google account and password you had added to your device prior to performing a factory reset. If you can't provide the account information during the setup process, you won't be able to use the device at all after performing the factory reset.

## Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com).

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

## Regulatory Information (FCC ID number, etc.)

For regulatory details, go to **Settings > System > Regulatory & safety**.

## Trademarks

- Google, Google Map, Gmail, YouTube, Google Duo, Google Play, Android, Chrome, Google Photos, Google Play Protect, Google Calendar, Google Docs, Google Drive, Google Sheets and other related marks and logos are trademarks of Google LLC.
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- Copyright © 2020 LG Electronics Inc. All rights reserved. LG and the LG logo are registered trademarks of LG Group and its related entities.



## More information

### Guide to data movement

For the data that can be exchange between LG devices or between the LG device and a third party device, see the following table.

Division	Item details	LG device → LG device	Third party Android device → LG device	iOS device → LG device
Personal data	Contacts, messages, dial logs, calendar, voice recordings	Supported	Supported	Supported
	Memos	Supported	Not Supported	Supported
	Alarms	Supported	Not Supported	Not Supported
Media data	Photos, videos, songs, documents	Supported	Supported	Supported
Screen settings	Home screen settings (folders and widgets)	Supported	Not Supported	Not Supported
	Lock screen settings (screenlock settings excluded)	Supported	Not Supported	Not Supported
Apps	Downloaded apps	Supported	Supported	-
	Personal data of the downloaded app	Supported	Not Supported	
Others	Public certificate	Supported	Supported	Not Supported
	Settings (Wi-Fi, Bluetooth, Calls, sound & notification, accessibility, battery)	Supported	Not Supported	Not Supported

#### NOTE

Some data may not be transmitted depending on the software version, app version, operating system, manufacturer or service provider's policy.

## **Safety Information**

### **Important Information**

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

### **ELECTRICAL SAFETY**

This product is intended for use when supplied with power from the designated battery or power supply unit. Other usage may be dangerous and will invalidate any approval given to this product.

### **SAFETY PRECAUTIONS FOR PROPER GROUNDING INSTALLATION**

**CAUTION:** Connecting to improperly grounded equipment can result in an electric shock to your device. This product is equipped with a USB cable for connecting to a desktop or notebook computer. Be sure your computer is properly grounded (earthed) before connecting this product to the computer. The power supply cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug.

The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

## SAFETY PRECAUTIONS FOR POWER SUPPLY UNIT

### Use the correct external power source

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

- Never place your device in a microwave oven.
- When riding in a car, do not leave your device 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.
- Your device contains an internal battery. Do not dispose of your device near fire or with hazardous or flammable waste. You should dispose of your device in accordance with all applicable laws.
- Do not use the device in areas where its use is prohibited.
- 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 device.
- Do not drop, strike, or shake your device severely. It may harm the internal circuit boards of the device.
- Turn your device 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.
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock or seriously damage your device.
- Do not disassemble the device.



- Do not attempt to repair or modify the device yourself. Your device is equipped with an internal rechargeable battery which should be replaced only by LG Authorized Service Center.
- You should never attempt to open or disassemble this device yourself. Doing so may cause damage that may void your warranty.
- Make sure that no sharp-edged items come into contact with the battery.
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Do not use unapproved USB cables or chargers with your device. The LG limited warranty does not cover damage caused by the use of third party accessories.
- LG Authorized Service Center should service the device and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- 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.

## **Safety Information**

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

### **Caution**

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

- Do not disassemble or open, crush, bend or deform, puncture or shred the device.
- 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 device with an LG charging system that has been qualified with the device, per CTIA Certification Requirements for Battery System Compliance to IEEE1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Avoid dropping the device. If the device is dropped, especially on a hard surface, and you suspect damage, contact the LG Authorized Service Center for inspection.
- The entire device should be recycled in compliance with Lithium-Ion battery recycling standards because of the internal battery. To dispose of properly, call (800) 822-8837 or visit [www.call2recycle.org](http://www.call2recycle.org).
- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption.
- Use and store your device in temperatures between 0 °C/32 °F and 35 °C/95 °F, if possible. Exposing your device to extremely low or high temperatures may result in damage, malfunction, or even explosion.
- A soft reset may be used to reset the device if the screen freezes, or the buttons, touch screen, or device are no longer responding. To perform a soft reset of your device, simply press and hold the Volume Down button and Power/Lock button until the device restarts.
- A mobile device requires proper air circulation in order to dissipate heat. Direct skin contact and inadequate circulation of air flow to the device may cause the device to overheat. The device must be at least 1.0 cm from between the user's body.
- Prevent dust of any other foreign substances from getting into the Charger/ USB cable port. It may cause heat or fire.
- Avoid exposing the device to low air pressure at high altitude.
- Do not expose the device to extremely low air pressure. Otherwise, it can cause explosion of the battery or leakage of flammable liquid or gas.

### Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.
- Insert the battery charger vertically into the wall power socket.

- Only use the LG-approved battery charger. Otherwise, you may cause serious damage to your device.
- Use the correct adapter for your device when using the battery charger abroad.
- A charging adapter that supports fast charging is included with the product.
- Do not use third party chargers with your device as they may not support fast charging and may cause damage to your device.

### **Battery Information and Care**

- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption of the charger.
- Do not damage the power cord by bending, twisting, or heating. Do not use the plug if it is loose as it may cause electric shock or fire.
- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause electric shock or fire.
- Unplug the power cord prior to cleaning your device, and wipe the power plug pin with a clean dry cloth when it's dirty. When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire. If you put your device in a bag without covering the receptacle of the device (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the device. Always cover the receptacle when not in use.
- Recharge the device after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions.
- Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage or defect to your device.
- Do not use or leave the device in direct sunlight or in a car heated by sunshine. The device may generate excessive heat, smoke, or flame. It also might cause deterioration of device's characteristics or cycle life.
- If the skin or clothes are smeared with liquid from the battery, wash with fresh water. It may cause skin inflammation.

- Please contact the LG Authorized Service Center immediately if this occurs.
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock or seriously damage your device.
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to the device.
- Do not place or answer calls while charging the device as it may short-circuit the device and/or cause electric shock or fire.
- The battery in the device has a protection circuit to protect from over-charging/discharging and excessive current and voltage. Do not use near places that can generate static electricity more than 100 V which could damage the protection circuit. Damaged protection circuits may generate smoke, rupture or ignite.
- When using the device 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 shop at which it was bought.
- Keep the device away from babies and small children. If children use the device, their parents or legal guardians are responsible for supervising and teaching them about the safe handling of the device and how to use it with care according to the manual.
- The battery can be replaced even after the warranty period for a fee.

### **WARNING! Notice for Battery Replacement**

- Do not remove the back cover.
- Your device has an internal battery. 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 point or dealer for assistance.
- The Li-Polymer (or Li-Ion Polymer) Battery is a hazardous component which can cause injury.
- Battery replacement by a non-qualified professional can cause damage to your device.

### **Explosion, Shock, and Fire Hazards**

- Do not put your device in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your device, and clean the power plug pin when it's dirty.
- When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire.
- If you put your device in a bag without covering the receptacle of the device (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the device and may cause an explosion. Always cover the receptacle when not in use.
- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to the device.

### **General Notice**

- Do not place items containing magnetic components such as a credit card, phone card, bank book, or subway ticket near your device. The magnetism of the device may damage the data stored in the magnetic strip.
- When the device is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the device in proximity to receiving equipment (i.e., TV or radio) may cause interference to the device.
- Do not immerse your device in water, liquid chemicals, or expose to high humidity. Immediately, contact the LG Authorized Service Center.
- Do not paint your device.
- The data saved in your device might be deleted due to careless use, repair of the device, or upgrade of the software. Please backup your important contacts. (pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

- When you use the device in public places, set the sound profile to silent so you don't disturb others.
- Do not turn your device on or off when putting it 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 cables are tucked away safely.
- 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.
- Please ensure that the product does not get in contact with liquid. Do not use or recharge the product if it is wet. Once the product becomes wet, the liquid damage indicator changes color. Please note that this may render your product ineligible for repair services provided under the product's limited warranty.
- Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

## Consider device compatibility

If you have a pacemaker or hearing aid, check with your doctor to make sure it is safe for you to use a device. In some cases, cellular radio frequencies can disrupt the performance of other electronic equipment. If you have questions about the interaction between your device and any other piece of electronic equipment, ask the equipment manufacturer.

## **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 inches (0 cm) from the body.

## 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.

### Are wireless devices safe?

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 device 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 worn on 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 ZNFT600US.

For more information about SARs, visit the FCC website at <https://www.fcc.gov/consumers/guides/specific-absorptionrate-sar-cell-phones-what-it-means-you>. 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 device 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 0RQ, United Kingdom. Copies of the UK's annual reports on mobile device and RF are available online at <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?**

#### **U.S. Food and Drug Administration**

<http://www.fda.gov>

#### **U.S. Federal Communications Commission**

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

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

[http://www.rsc.ca/index.php?page=Expert\\_Panels\\_RF&Lang\\_id=120](http://www.rsc.ca/index.php?page=Expert_Panels_RF&Lang_id=120)

#### **World Health Organization**

<http://www.who.int/mediacentre/factsheets/fs193/en/>

#### **International Commission on Non-Ionizing Radiation Protection**

<https://www.icnirp.org>

#### **American National Standards Institute**

<http://www.ansi.org>

#### **National Council on Radiation Protection and Measurements**

<http://www.ncrponline.org>

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

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

(websites current as of November 2018)

## 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 worn on the body) as required by the FCC for each model.

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

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 ZNFT600US.

Additionally, the highest SAR values can also be found on the LG website: <https://www.lg.com/global/support/sar/sar>

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 common sense 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:

## **Safety 205**

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: [info@audiology.org](mailto:info@audiology.org)

Internet: [www.audiology.org](http://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](mailto: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).

### 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 device more than six (6) inches from their pacemaker when the device is turned ON;
- Should not carry the device in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference;
- Should turn the device OFF immediately if there is any reason to suspect that interference is taking place.

### **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 device 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 device OFF in any facility where posted notices so require.

## Aircraft

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

## Blasting Areas

To avoid interfering with blasting operations, turn your device 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 device 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 Devices:

### 1. Do wireless devices pose a health hazard?

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

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

Although the existing scientific data does not justify FDA regulatory actions, the FDA has urged the device industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by devices;
- Design devices in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- Cooperate in providing users of devices with the best possible information on possible effects of device 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 devices with the Federal Communications Commission (FCC). All devices 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 devices.

The FCC also regulates the base stations that the device networks rely upon. While these base stations operate at higher power than do the devices themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from devices. 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 devices poses a health risk?**

A combination of laboratory studies and epidemiological studies of people actually using devices 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 years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of devices. Many factors affect this measurement, such as the angle at which the device is held, or which model of device is used.

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

All devices 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 device and is set well below levels known to have effects.

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

## **8. What has the FDA done to measure the Radio Frequency energy coming from devices?**

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the Radio Frequency (RF) energy exposure from devices and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of device 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 device. 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 device complies with safety guidelines.

## **9. What steps can I take to reduce my exposure to Radio Frequency energy from my device?**

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 device 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 device away from your body or use a wireless device connected to a remote antenna. Again, the scientific data does not demonstrate that devices 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 device use.

## **10. What about children using devices?**

The scientific evidence does not show a danger to users of devices, 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 devices. Reducing the time of device 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 continues to monitor the use of wireless 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:

FDA web page on wireless devices

<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>

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

International Commission on Non-Ionizing Radiation Protection  
<https://www.icnirp.org>

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 the device.

## DECLARATION OF CONFORMITY

Hereby, **LG Electronics** declares that this **LM-T600VS** product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the Declaration of Conformity can be found at <http://www.lg.com/global/declaration>

### Exposure to radio frequency energy

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

This mobile device model LM-T600VS has been designed to comply with applicable safety requirements for exposure to radio waves. These requirements are based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- ▶ The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardized methods with the device transmitting at its highest certified power level in all used frequency bands.
- ▶ While there may be differences between the SAR levels of various LG device models, they're all designed to meet the relevant guidelines for exposure to radio waves.
- ▶ The SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) is 2 W/kg averaged over 10g of tissue.
- ▶ The highest SAR value for this device when worn on the body is 1.368 W/kg (10g).
- ▶ This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 0 cm away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 0 cm away from your body. In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

## Cautions

- ▶ The user interface of Google apps (Google Search, Google Maps, Navigation, etc.) can vary depending on its software version.
- ▶ Locations are inaccurate when GPS and Wi-Fi are not set.
- ▶ With the Android operating system, some available Play Store apps only operate correctly with devices that have a specific screen resolution. Please be advised that some of the apps on Play Store may not be available for your device due to an LCD resolution requirement that doesn't match your device. In addition, please be aware that third party apps with programming defects may cause issues with your device, including lock ups and resets.
- ▶ All of the device's contents, including content which you create or download, will be deleted after a Factory Reset.



- ▶ Use your device in temperatures between 0°C and 35°C, if possible. Exposing your device to extremely low or high temperatures may result in damage, malfunction, or even explosion.
- ▶ Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

### - 5GHz WiFi Device

"The use of the 5150 – 5350 MHz band is restricted to indoor use only."

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES	FI	FR
	HR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL
	PT	RO	SE	SI	SK	UK	AL	ME	RS	MK	TR	BA	XK



To prevent possible hearing damage, don't listen at high volume levels for long periods.

- ▶ Excessive sound pressure from earphones and headphones can cause hearing loss.

## Limited Warranty – USA

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG (as defined hereinafter in the Definitions) TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED “PROCEDURE FOR RESOLVING DISPUTES” BELOW.

Should your LG Mobile Device (“Product”) fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product and applies only when purchased and used within the United States including U.S. Territories.

Warranty Period	Scope of Warranty
Twelve (12) months from date of original retail purchase (or absent valid proof of purchase, fifteen (15) months from manufacture date)	Parts and Labor (internal/ functional parts only)

- ▶ Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- ▶ Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- ▶ Replaced Products and parts will become the property of LG.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE,

**IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.** Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.

#### **HOW SERVICE IS HANDLED:**

The original sales receipt specifying the Product and date of purchase is required to obtain warranty service.

LG will not re-install or back-up any data, applications, or software that you have added to your Product. It is therefore recommended that you back-up any such data or information prior to sending the Product to LG to avoid permanent loss of such information

You shall bear the cost of shipping the Product to LG Customer Service. LG shall bear the cost of shipping the Product back to you after completion of service under this limited warranty.

#### **THIS LIMITED WARRANTY DOES NOT COVER:**

- (1) Damage or defects of the Product resulting from use of the Product in other than its normal and customary manner.
- (2) Damage or defects of the Product resulting from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications/connection/repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage or defects of the Product caused by shipping, blown fuses, spills of food or liquid.
- (3) Damage or defects of the Product caused by transportation and/or handling, including scratches, dents, chips, and/or other damage to the finish of your Product including the external housing and cosmetic parts,

unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery (Call: 1-800-793-8896).

- (4) Damage or defects to antennas unless caused directly by defects in material or workmanship.
- (5) Damage or defects of the Product resulting from operating the Product contrary to the instructions outlined in the Product owner's manual.
- (6) That LG Customer Service was not notified by you of the alleged defect or malfunction of the Product during the applicable limited warranty period.
- (7) Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- (8) Damage or defects of the Product or missing items to any Product sold "As Is", "With all Faults" or similar disclaimer.
- (9) Damage or defect of the Product caused by the use of accessories, parts, consumable cleaning products, or service not provided or approved by LG.
- (10) All plastic surfaces and all other externally exposed parts that are scratched or damaged.
- (11) Products operated outside published maximum ratings.
- (12) Replacement of any consumable parts (such as fuses).

**The cost of repair or replacement under the above excluded circumstances shall be borne by you.**

**TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION:**

Call 1-800-793-8896 and select the appropriate option from the menu.

Or visit our website at <http://www.lg.com>.

Or by mail: LG Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC – Mobile Handsets

**DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.**

Please call or write for procedures for obtaining warranty service.

**PROCEDURE FOR RESOLVING DISPUTES:**

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to “LG” mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to “dispute” or “claim” shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics U.S.A., Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person’s or entity’s



product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association (“AAA”) and will be conducted before a single arbitrator under the AAA’s Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the “AAA Rules”) and under the procedures set forth in this section. The AAA Rules are available online at [www.adr.org/consumer](http://www.adr.org/consumer). Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, U.S.A., Inc. Attn: Legal Department-Arbitration 111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator’s award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by

the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to [optout@lge.com](mailto:optout@lge.com), with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was

purchased; (c) the product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable (the IMEI or MEID or Serial Number can be found (i) on the product box; (ii) on a label on the back of the product beneath the battery, if the battery is removable; or (iii) from the settings menu via the following path: **Settings > System > About tablet > Status**). You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

## LG Take-back & Recycling Policy

### (For USA)

LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. LG Electronics evaluates products' recyclability at the design step selectively, with the goal of improving recyclability where practicable. Through these activities, LG Electronics seeks to contribute to conserving natural resources and protecting the environment. For more information, please visit our global site at <https://www.lg.com/recycling>.